A close-up photograph of architectural blueprints spread out on a surface. A pair of black-rimmed glasses with light-colored lenses is placed on the blueprints. A green ruler is visible on the left side of the frame. The blueprints show various technical drawings, including lines, circles, and text.

Architectural Blueprint Reading

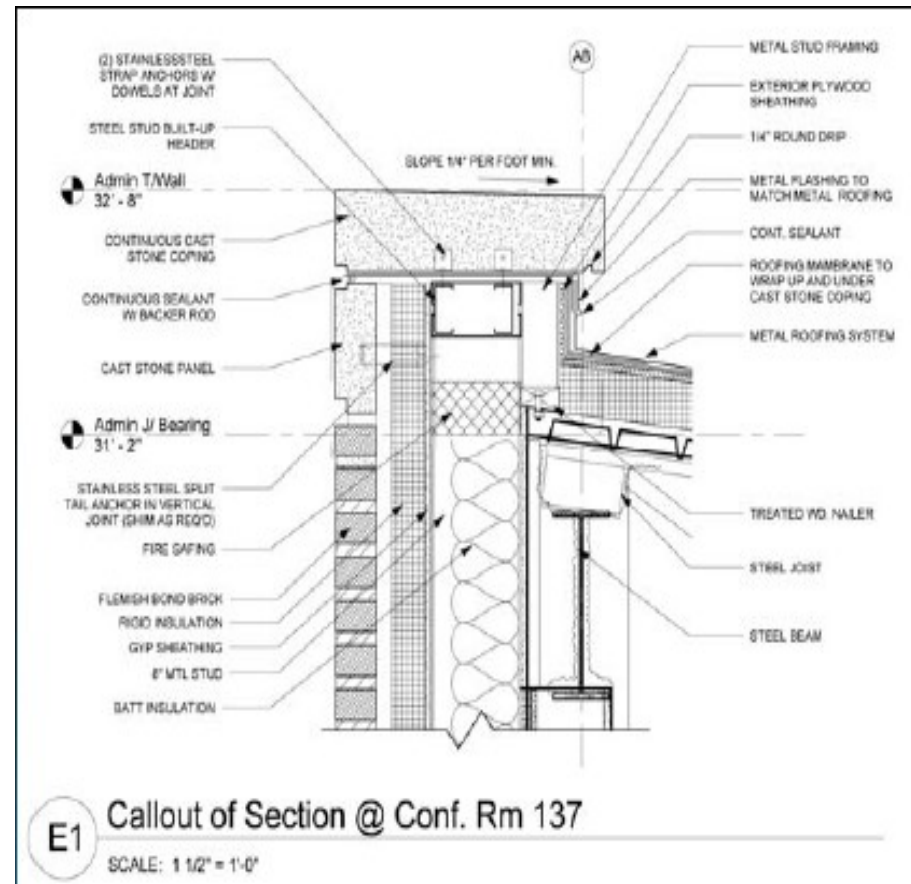
SH 710

Taking the Blues Out of Reading Blueprints

Learning Objectives..

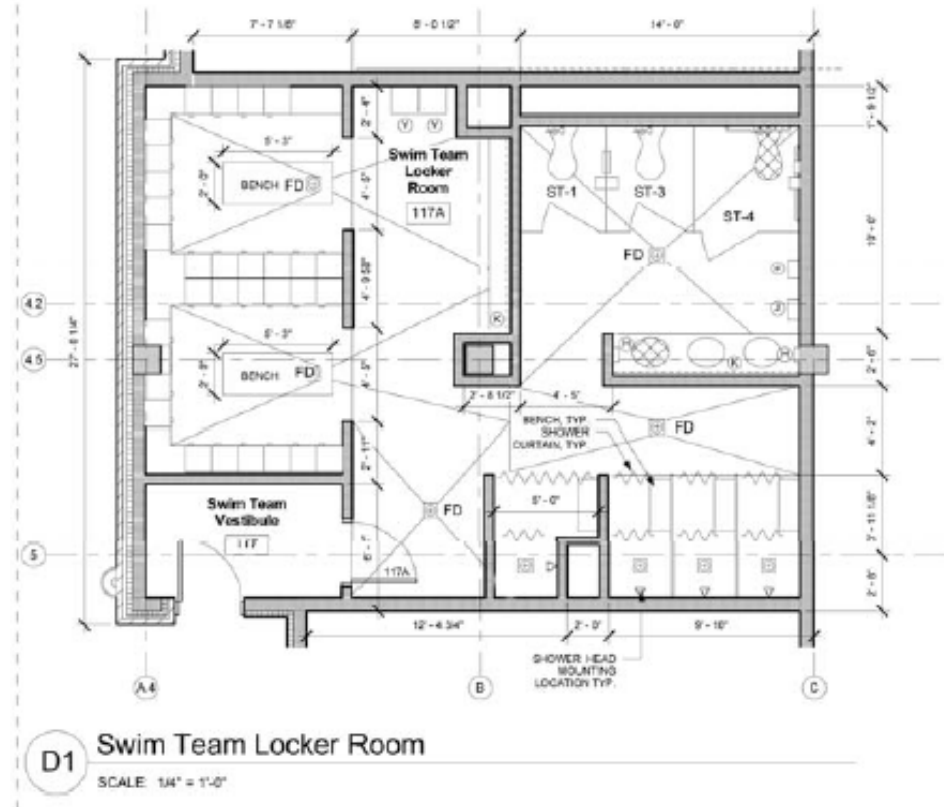
You will . . .

- Be able to understand different types of architectural drawings and what they communicate.
- Be able to understand symbols used in blueprints and vocabulary
- Learn how to interpret construction drawings



Overview...

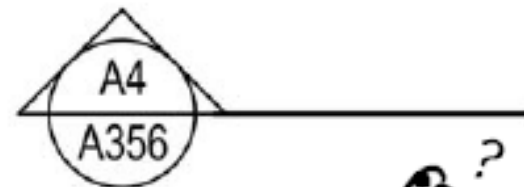
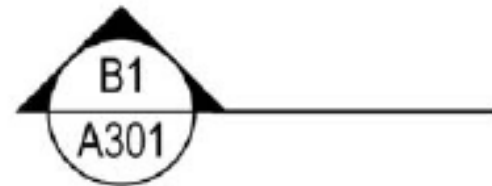
- Why do I need to know how to read blueprints?
- What are the different types of architectural drawings?
- What do all these symbols mean?
- How do I read construction specifications?



Blueprints

Why do I need to know how to read blueprints?

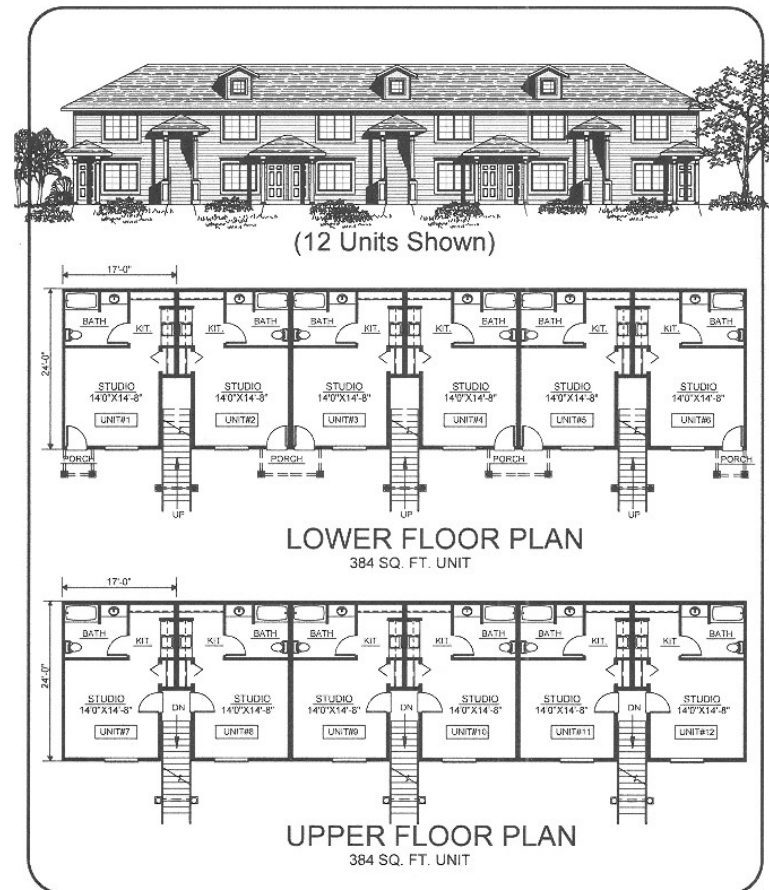
- Clear Communication is essential...
 - To be effective in determining your requirements are met
 - To ensure your needs are correctly interpreted
 - To deliver a successful project



Architectural Design Process

Five Phases:

1. Schematic design
2. Design development
3. Construction drawings
4. Building & contract negotiation
5. Construction administration



Bldg. Width = 102'-0"
Depth = 32'-0"
(Includes Porches)
Total Sq. Ft. = 384 / unit
(12 Units Shown)

Building Designs By Stockton
residential • multi-family • marketing
Toll Free # 1-800-368-0821
E-MAIL: stockton@wa-net.com
Web Site: <http://www.stocktondesign.com>

12-2915

Schematic Design

- Develop clearly defined, feasible concept
- Clarification of project's program, alternative designs, and construction cost estimates

Documentation

- Site plans
- Floor plans
- Exterior elevations
- Critical building areas
- Landscape plans
- Cost estimates

Design Development

Design refined into clear, coordinated set of drawings

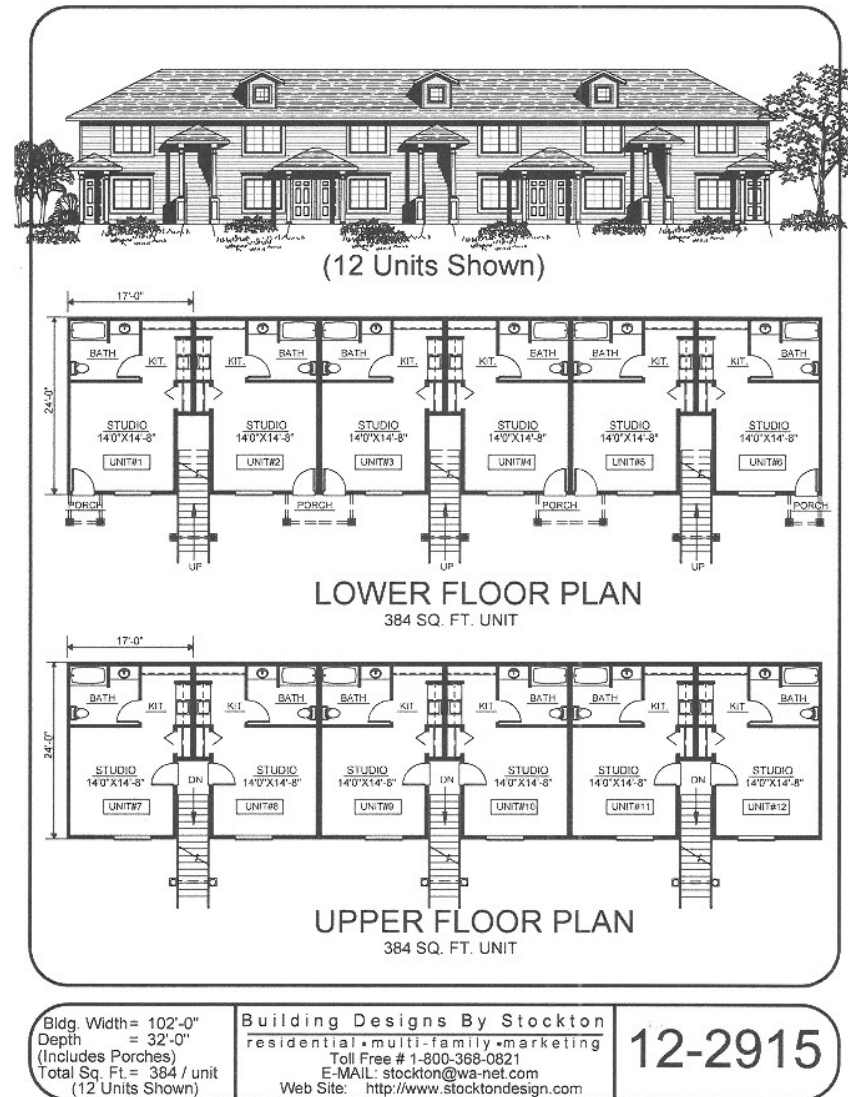
Typical documentation:

- Fully developed floor plans
- Exterior elevations
- Building sections
- Fully developed site plan
- Engineers “sign & seal”



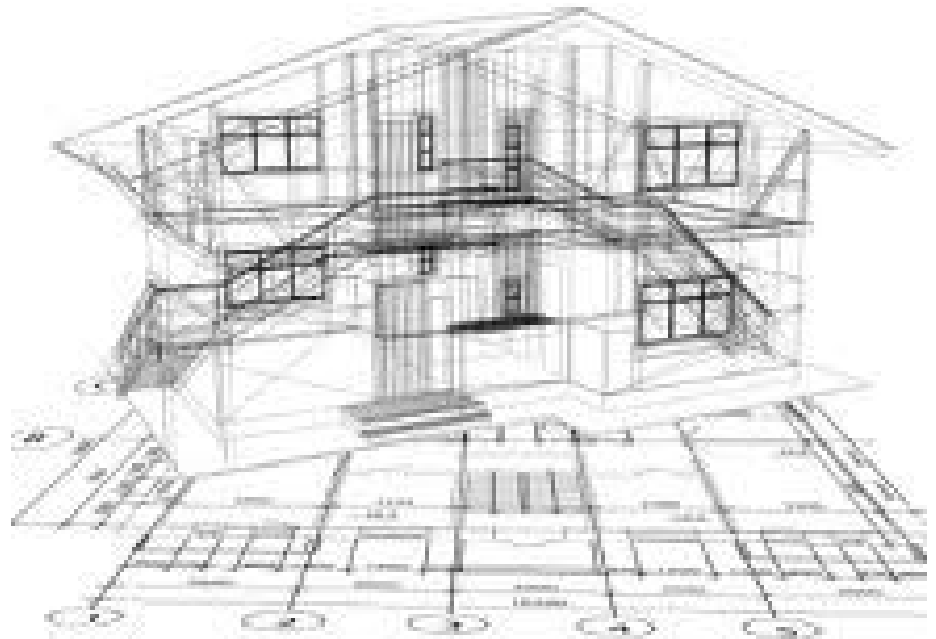
Construction Drawings

- Construction drawings must include all details required by city, county, and federal guidelines
- Documents which Architect, Owner, and Officials hold Contractor responsible
- Document used by Contractor to determine construction costs



Blueprints & Drawings

- Describes completed structure
 - Provide details of size and shape description
 - Materials
 - Finish
 - Special details

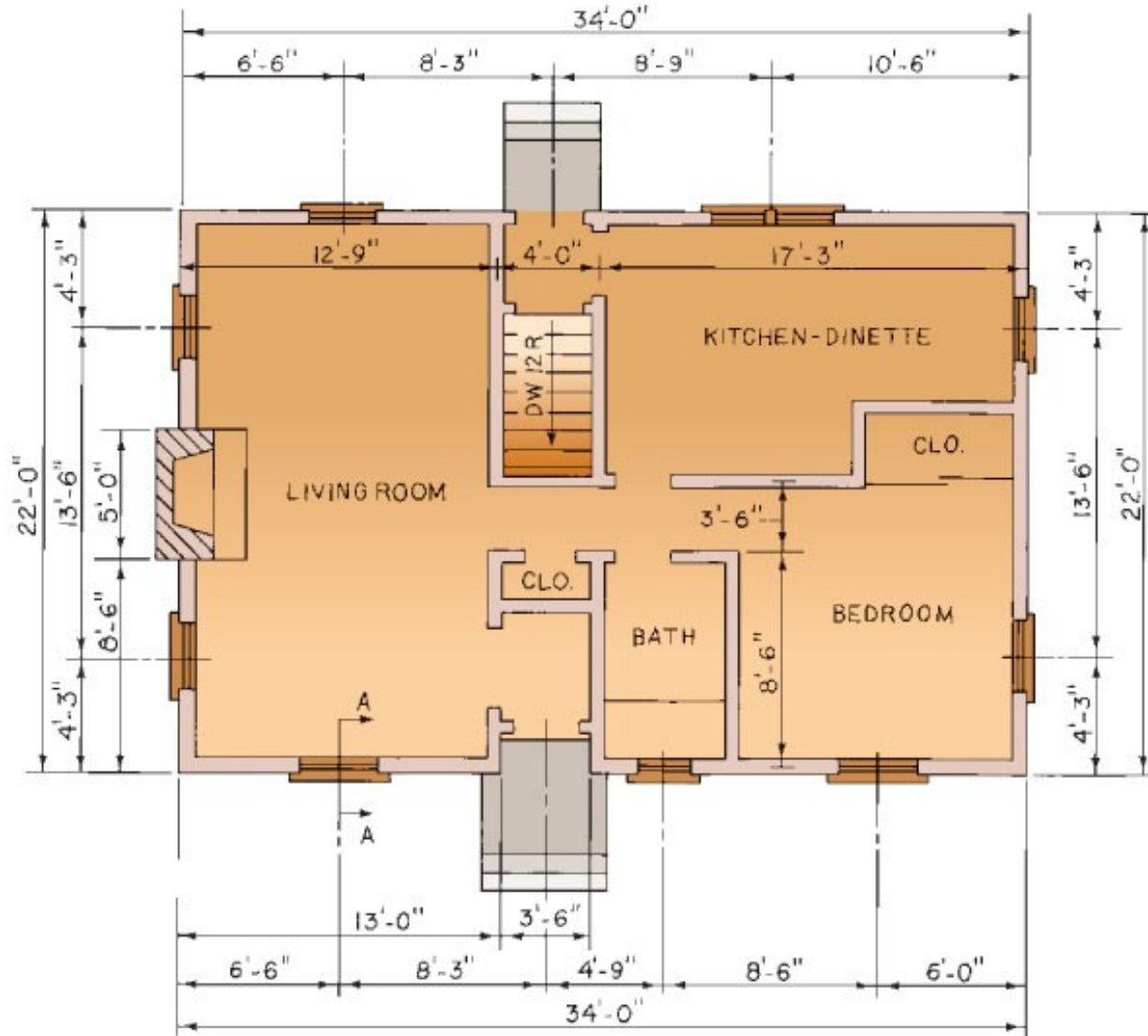


Blueprints & Drawings



Parts of a Blueprint

Architectural Blueprints



Abbreviations

Abbreviations are required on blueprints to eliminate clutter...

- Common abbreviations are industry standard, and unique abbreviations often describe a specific system, item, or term.
- It is important to understand that some abbreviations can describe several different items.
- Abbreviation legend is created by architect and listed on blueprint.

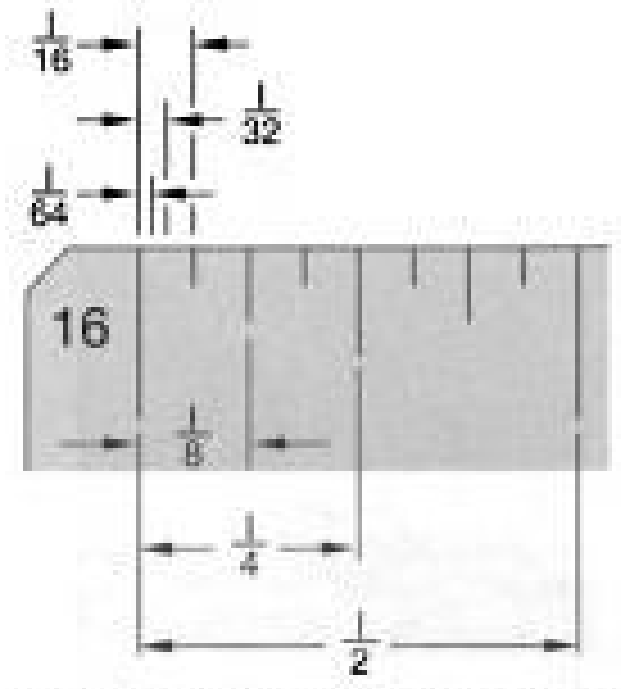
Abbreviations

AB	- Anchor bolt	LT WT	- Lightweight
ADDL	- Additional	MAS	- Masonry
AFF	- Above finish floor	MATL	- Material
ALT	- Alternate	MAX	- Maximum
ARCH	- Architect	MECH	- Mechanical
B/	- Back of	MFR	- Manufacturer
BLDG	- Building	MIN	- Minimum
BLK	- Block	MISC	- Miscellaneous
BM	- Beam	MO	- Masonry opening
BOF	- Bottom of footing elevation	MTL	- Metal

Scales

Architectural Scales:

- 1" = 40'-0" Site Plan (match Eng.)
- 1/8" = 1' - 0" Floor Plan, Ceilings
- 1/16" = 1' - 0" Elevations
- 1/2" = 1' - 0" Wall Sections
- 1 1/2" = 1' - 0" Details



Engineering Scales: fit the site on 1 sheet

- 1" = 20' - 0" or 30', 40', 50', 100', etc.

Blueprints & Drawing Scales

- **Residential floor plans:**

$$1/4" = 1'-0"$$

- **Commercial plans:**

$$1/8" = 1'-0"$$

- **Elevations:**

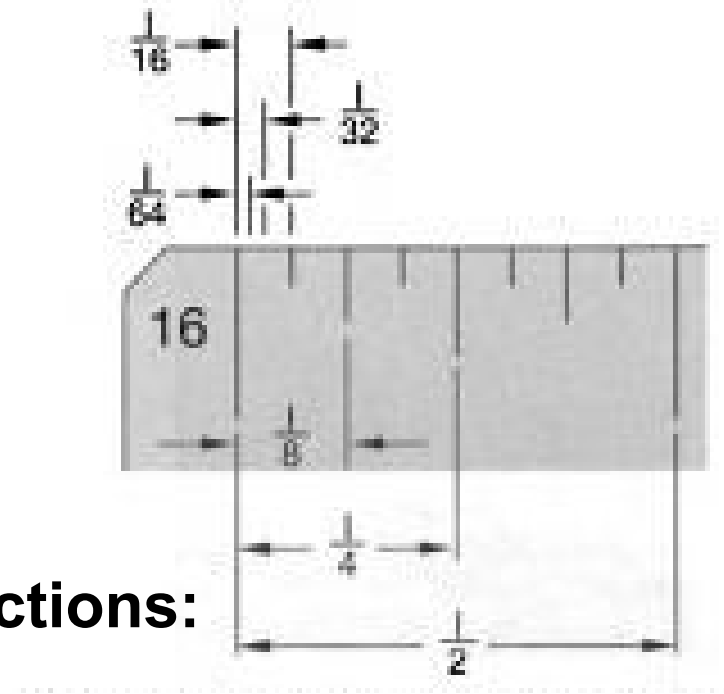
$$1/4" = 1'-0"$$

- **Construction details & cross sections:**

$$1/4" = 1'-0"$$

$$3/8" = 1'-0"$$


$$1/2" = 1'-0"$$



Blueprints & Drawings

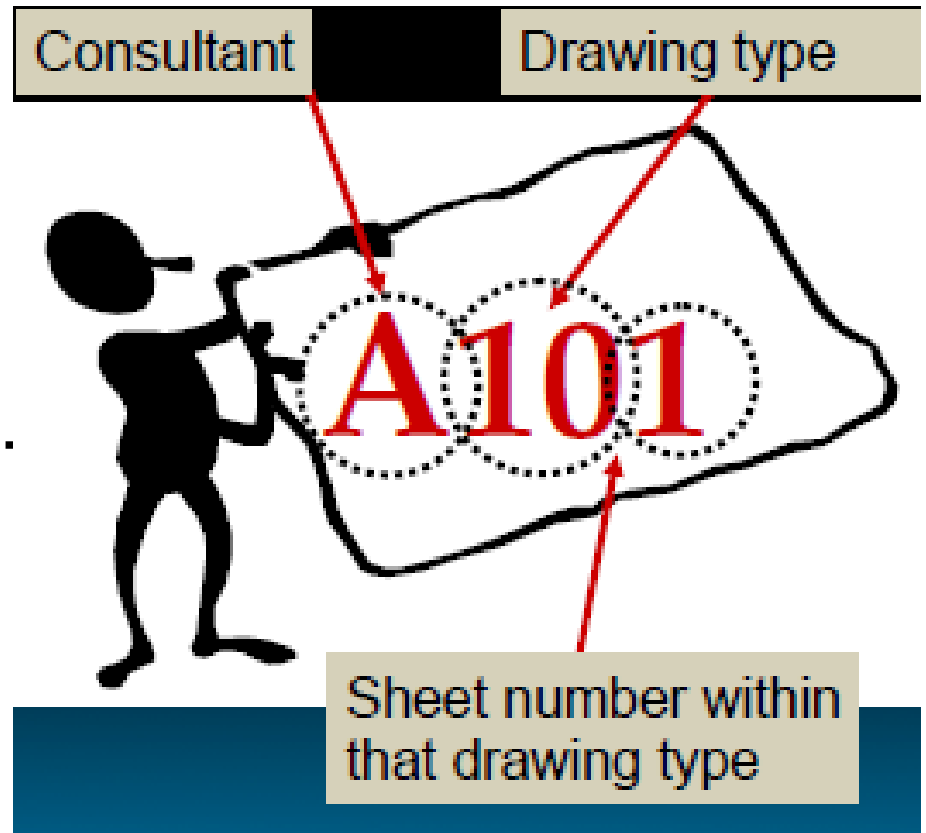
Title Block:

TITLE 1 TITLE 2		<i>TBA</i> The Best Architect, P.C. Architecture Planning Studies 1234 Oakland Road, Oakland, AR	<u>SHT</u> SHTS
JOB: PROJNUM	FILE: PROJNUM	DATE: REVISED:	Sheet No.

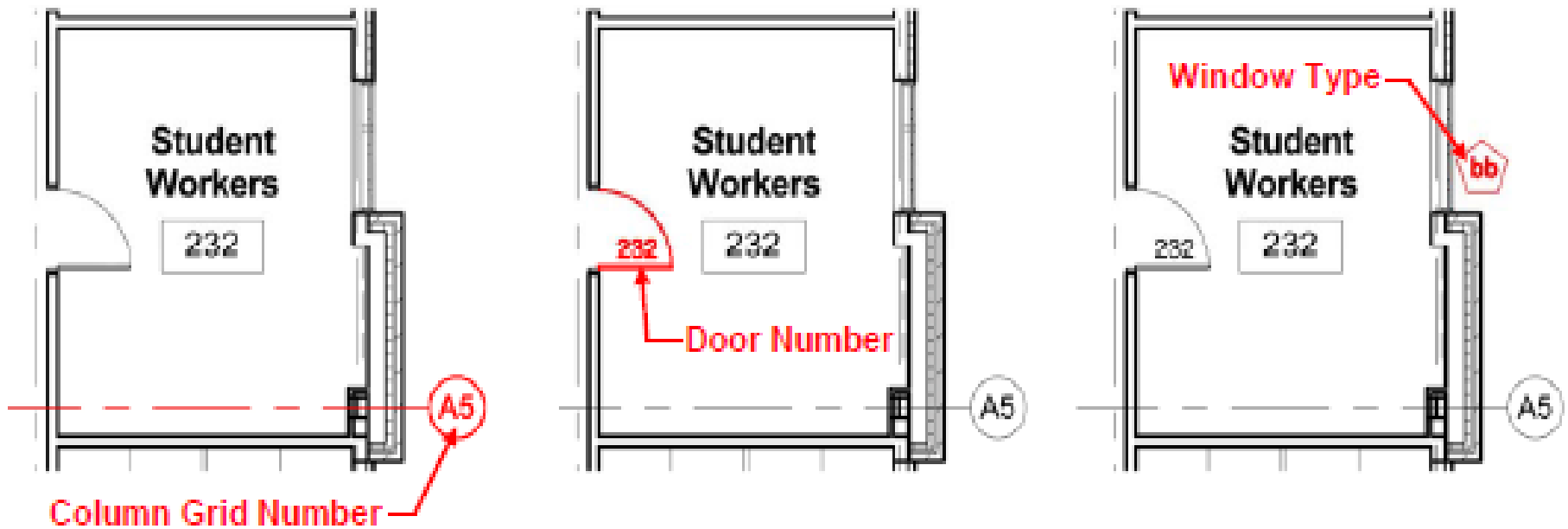
SHEET	DATE	DRAWN	CHECKED	APPROVED	SCALE	PROJECT	7-ELEVEN FOODSTORE	TYPE	MODEL NO.	 THE SOUTHLAND CORPORATION 1000 1 ST AVENUE, SUITE 1000 NORTH PLAZA DIVISION CONSTRUCTION 1000 ANCHORAGE PARK, WEST TUMWALL, WASHINGTON 98148 PHONE NO. (206) 875-8711		REVISED	DATE	BY

Symbols

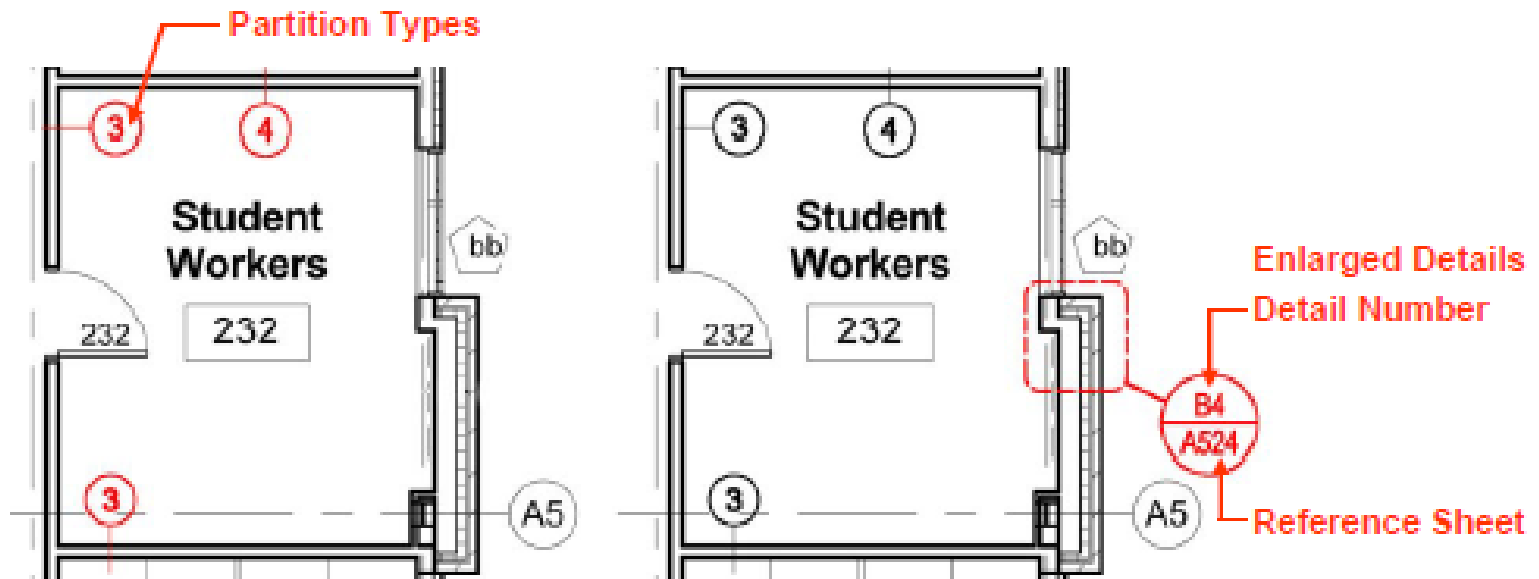
- What does the sheet number tell me?
- Prefix: Identifies which consultant's documents they are...
 - A = Architecture
 - C = Civil
 - S = Structural
 - MEP = Mechanical, Electrical, Plumbing



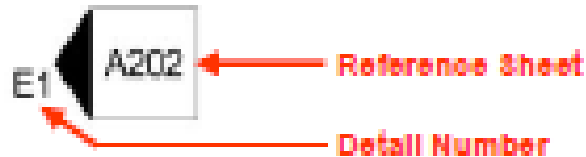
Symbols



Symbols



Symbols



Exterior Wall
Elevation



Building
Section



Wall
Section



Interior
Elevation

Blueprints & Drawings

Information Blocks:



GENERAL NOTES

1. VERIFY ELECTRIFIED PARTITION CONNECTION WITH PARTITION INSTALLER FOR EXACT WALL OR POKE THRU LOCATION PRIOR TO ROUGH-IN, TYPICAL ALL LOCATIONS.

SHEET NOTES

- ① PROVIDE CONNECTIONS AS REQUIRED FOR OWNER FURNISHED EQUIPMENT. FIELD VERIFY NEMA CONFIGURATION WITH EXISTING EQUIPMENT.
- ② PROVIDE 3/4" FIRE RATED PLYWOOD FOR TELEPHONE TERMINAL BACKBOARD. PLYWOOD SHALL BE 8'-0" HEIGHT AND ENTIRE LENGTH OF WALL.
- ③ PROVIDE WALL SWITCH FOR CONTROL OF EXHAUST FAN. MOUNT ADJACENT TO LIGHT SWITCHES. PROVIDE ENGRAVED NAMEPLATE " EXHAUST FAN ".

PARTIAL LEGEND (SEE SHEET E-13)

- ◀ WALL OUTLET: TELEPHONE *
- ◁ WALL OUTLET: DATA *
- ◄ WALL OUTLET: COMBINATION TELEPHONE/DATA *
- ~~DOOR~~ FIRE RATED FLUSH POKE THRU: OUTLETS AS SHOWN *
- ⊖ WALL RECEPTACLE: DUPLEX
- ⊕ WALL RECEPTACLE: DOUBLE DUPLEX
- ⊞ FIRE RATED WALL POKE THRU: ELECTRIFIED PARTITION CONNECTION, WALL (DATA & TELEPHONE - ROUTE 1" C. WITH FULL STRING TO ACCESSIBLE CEILING SPACE) **
- ⊟ FIRE RATED POKE THRU: ELECTRIFIED PARTITION CONNECTION (DATA, TELEPHONE, POWER)
- ⊠ FIRE RATED WALL POKE THRU: ELECTRIFIED PARTITION CONNECTION, WALL (POWER) **
- IG DENOTES ISOLATED GROUND
- *
- NOTE: ROUTE 3/4" CONDUIT WITH FULL STRING TO ACCESSIBLE CEILING SPACE.
- ** NOTE: MOUNT HORIZONTAL IN BASE



Blueprints & Drawings

Bill of Materials

Bill of Materials for #1008

Input Questions:

Check the whole materials list spreadsheet for "#VALUE!" symbols, if there is one, check these inputs below for accuracy

House Number =	1008-3d2
# of Bedrooms =	3
# of Full Bathrooms (sink + tub + toilet) =	1
# of Half Bathrooms (sink + toilet) =	0
# of Hallways (can be zero) =	1
Are the Washer & Dryer in a utility room? (as apposed to a small closet) (yes or no) =	no
Does the dining room require its own lighting? (yes or no) =	yes
How many closets/utility rooms have their own lights in them?	0
square feet =	1008
House Length (porch separate) =	42
House Width (gable end) (porch separate) =	24
Porch external to house? (protrudes from house?) (yes/no) (use for next two questions) =	yes
Porch Length (smaller dimension of porch)=	7.333
Porch Width (Gable side of porch)(bigger dimension of porch)=	23.333
# of exterior corners on the house with vinyl siding on them =	4
# of interior corners on the house with vinyl siding on them =	0
# of exterior doors =	2
# of exterior windows (full size) =	8
# of exterior windows (small size) =	2
of the windows listed above, how many pairs of windows are there? =	2
# of courses of foundation block (depends on lot)	4

Blueprints & Drawings

Bill of Materials

Materials List	Home #	1008-3d2	
FOUNDATION	QTY O/H	QTY / BUY	Material
Footing:		8	concrete (2500psi) (5 bag mix) (yds)
		4	1/2" x 20' rebar grade stakes
Foundation Block:		420	8 x 8 x 16 concrete block
		15	bags type N mortar
		1	32" x 24" crawl door
		1	window well (36" x 24")
		3	sand (ton)
		7	louver vents
		40	1/2" x 16" anchor bolts
Gravel Fill:		1	12' x 100' 6 mil plastic
		17	pea gravel (ton)
Termite Treatment:		varies	
Beam: Order by house length		41 1/2	8" - 13# (ft)
Evactuation/Backhoe:		varies	

Specifications

Table of Contents:

16 Divisions

- | | |
|-----------------------------------|---------------------------|
| 1 - General Requirements | 9 - Finishes |
| 2 - Site Construction | 10 - Specialties |
| 3 - Concrete | 11 - Equipment |
| 4 - Masonry | 12 - Furnishings |
| 5 - Metals | 13 - Special Construction |
| 6 - Wood and Plastics | 14 - Conveying Systems |
| 7 - Thermal & Moisture Protection | 15 - Mechanical |
| 8 - Doors and Windows | 16 - Electrical |

Division Layout: Three Part Outline

Part 1 General

- 1.01 Section Includes
- 1.02 Related Sections
- 1.03 Alternates
- 1.04 Submittals
- 1.06 Quality Assurance
- 1.07 Regulatory Requirements
- 1.08 Pre-Installation Meeting
- 1.09 Mock-up
- 1.10 Environmental Requirements
- 1.11 Extra Materials
- 1.12 Warranty

Part 2 Products

- 2.01 Manufacturers
- 2.02 Materials
- 2.03 Accessories

Part 3 Execution

- 3.01 Examination
- 3.02 Preparation
- 3.03 Installation
- 3.04 Tolerances – Field Quality Control
- 3.05 Manufacturer's Field Services
- 3.06 Cleaning
- 3.07 Protection of Work
- 3.08 Schedule

Specifications

- Schedule: Written matrix that identifies characteristics by location
- Find: Finishes & doors

Room No.	Room Name	Floor	Base	North	East	South	West	Ceiling
125	Gymnasium	WD	VB-1	P-2	P-2	P-2	P-2	EXP, P-1
161	Gym Storage	VCT	R	P-1	P-1	P-1	P-1	EXP
140	Men's Locker Rooms	CT-2	CT-4	CT-5	CT-5	CT-5	CT-5	AC-2
142	Janitor	SC	R	P-1	P-1	P-1	P-1	AC-1
159	Corridor	CPT-1	R	HPC-1	HPC-1	HPC-1	HPC-1	AC-2

Architectural Blueprints

- Architectural blueprints are master plan of entire project illustrated on small scale to represent full-sized structure.
- Most common scale is 1/4" representing one linear foot.
- All blueprint pages are provided with alphabetical and numerical identification and text description.
- Location and direction of floor joists are indicated on foundation plan.



Parts of a Blueprint

A—Architectural pages

S—Structural pages

P—Plumbing pages

M—Mechanical pages

E—Electrical pages



Parts of a Blueprint

Examples:

A1 through A4 (4 architectural pages)

S1 through S8 (8 structural pages)

P1 through P3 (3 plumbing pages)

M1 through M4 (4 mechanical pages)

E1 through E5 (5 electrical pages)

Parts of a Blueprint

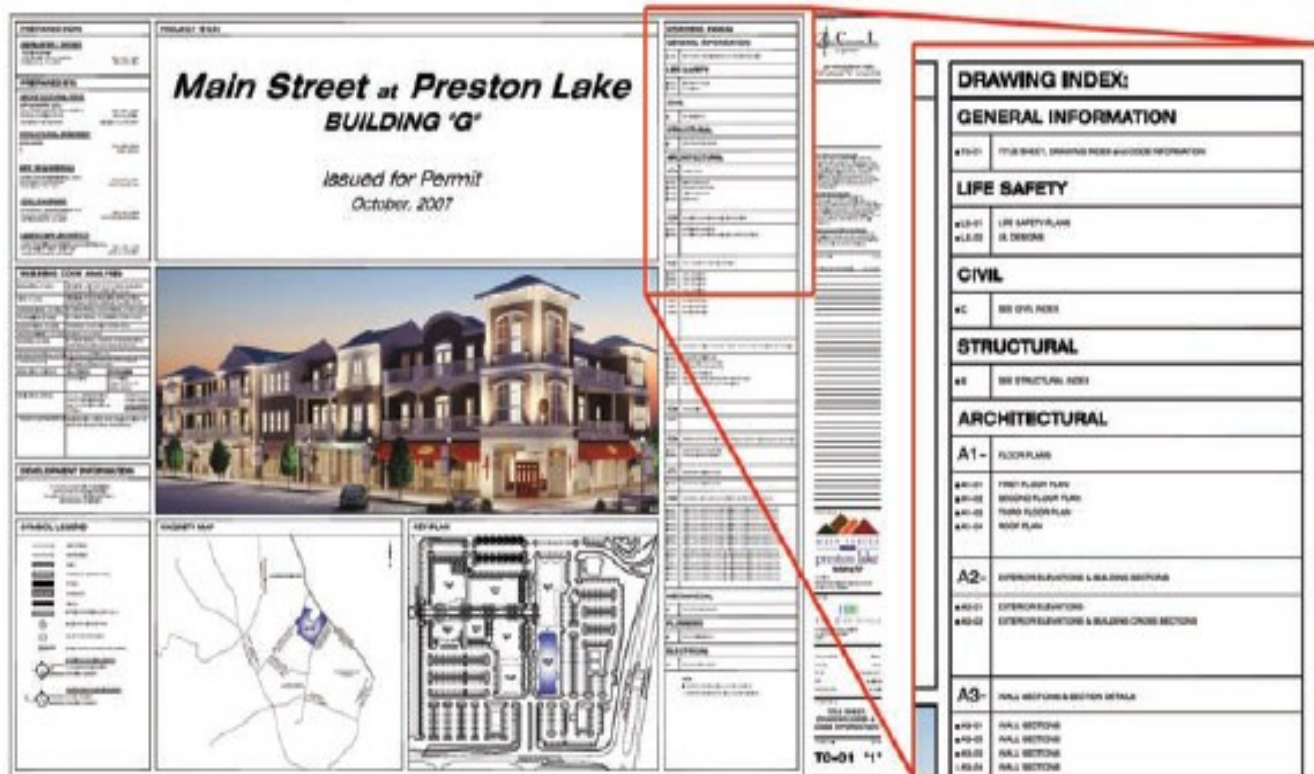
- *Architectural pages* include plans for building and plans for surrounding areas
- *Structural plans* show the structure of the building:
 - Concrete
 - Masonry
 - Wood framing
 - Roof plans
 - Etc.

Parts of a Blueprint

- *Plumbing plans* show plumbing system
- *Mechanical plans* show heating, air conditioning, and process piping systems
 - They may also show systems such as conveyor lines
- *Electrical plans* show building's electrical system

Parts of a Blueprint

- *Architectural pages include plans for the building and plans for the surrounding areas*

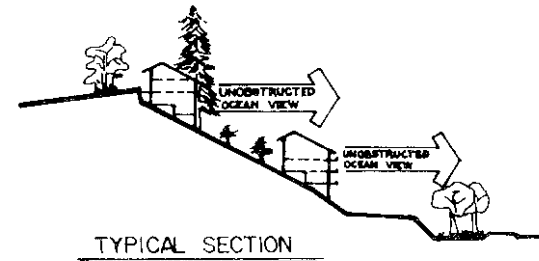
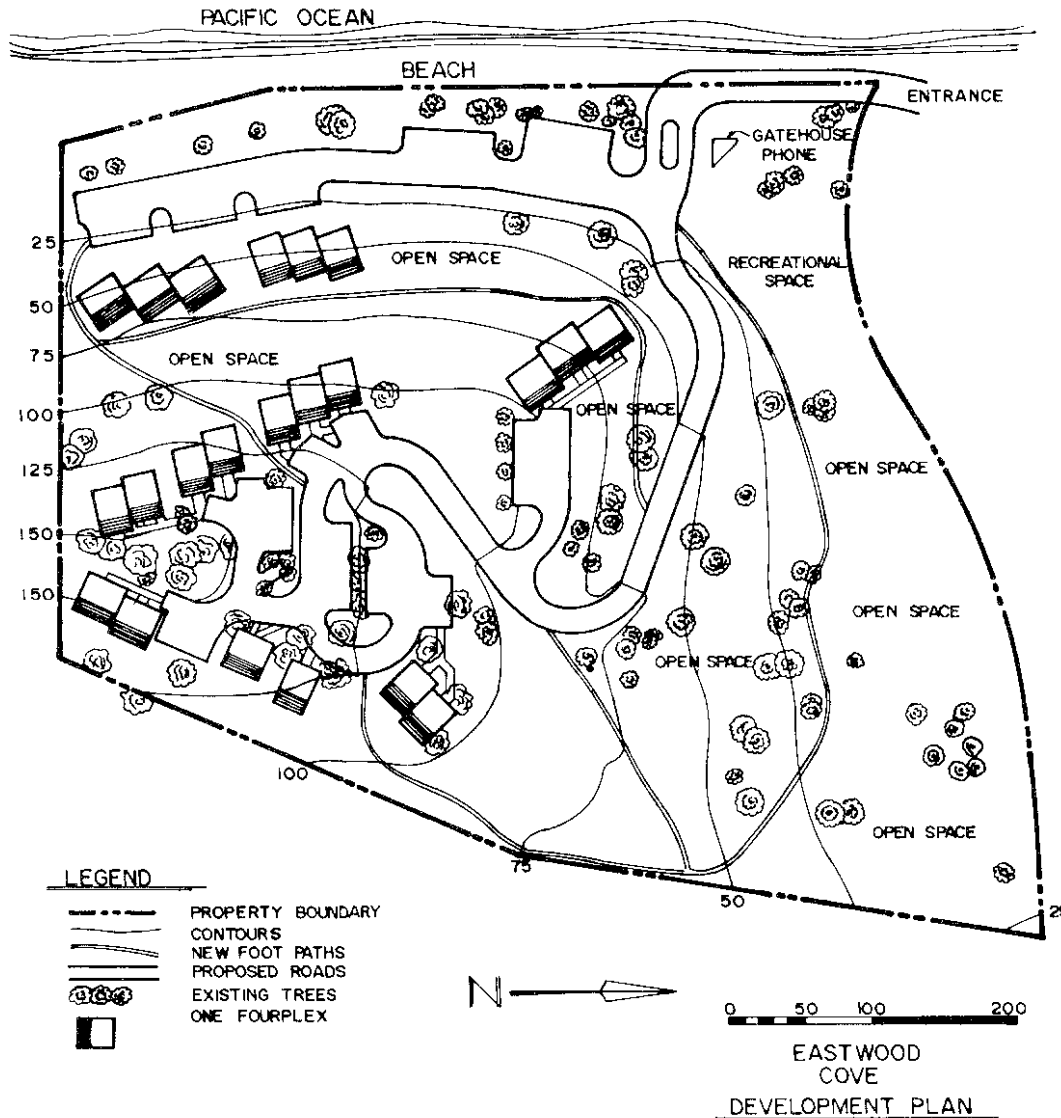


Types of Architectural Drawings

- Graphically represent design intent
- Perspective Rendering: illustrating three-dimensional qualities
- **Site Plan:** drawing illustrating geographical conclusions in relation to building placement



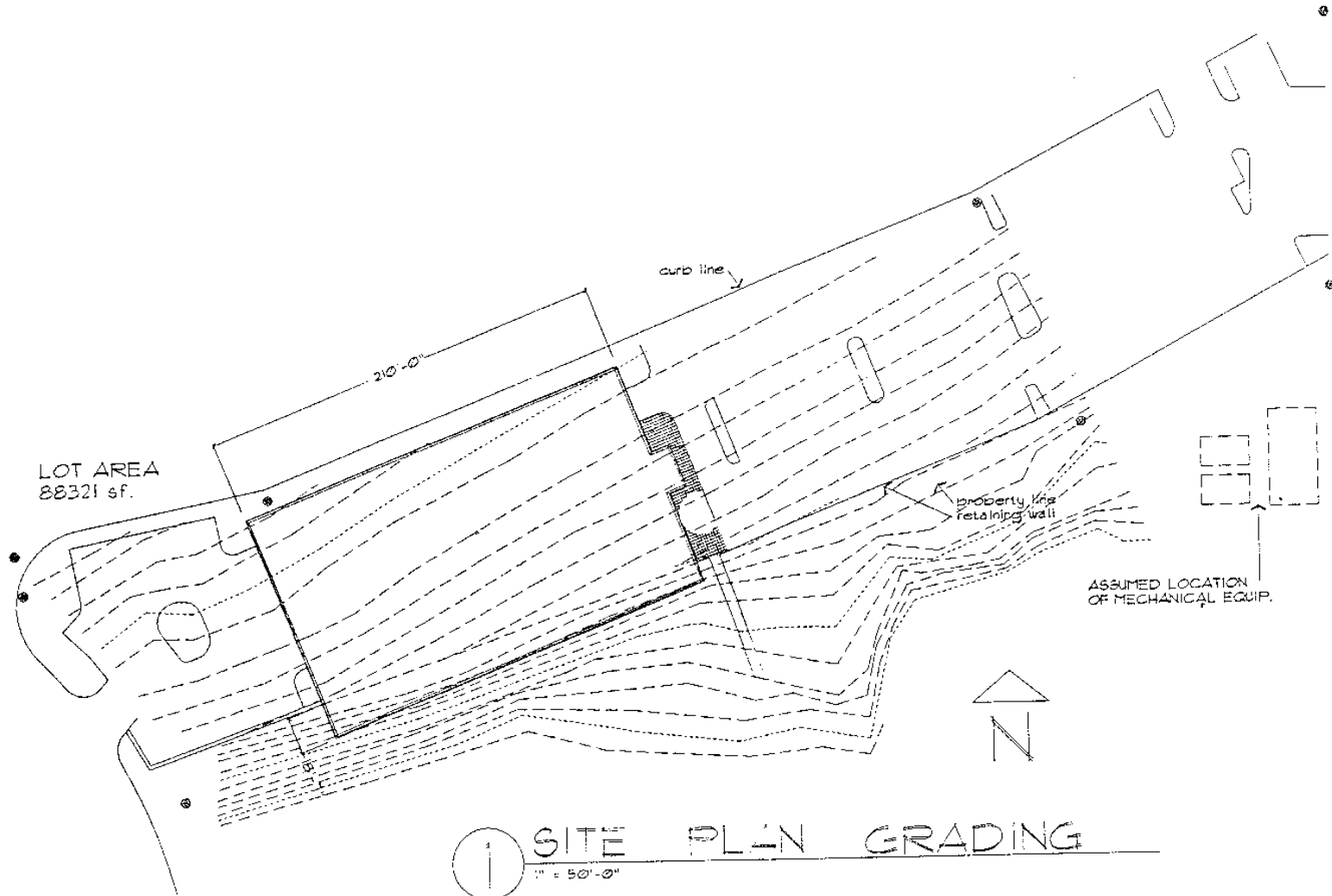
Site Plans



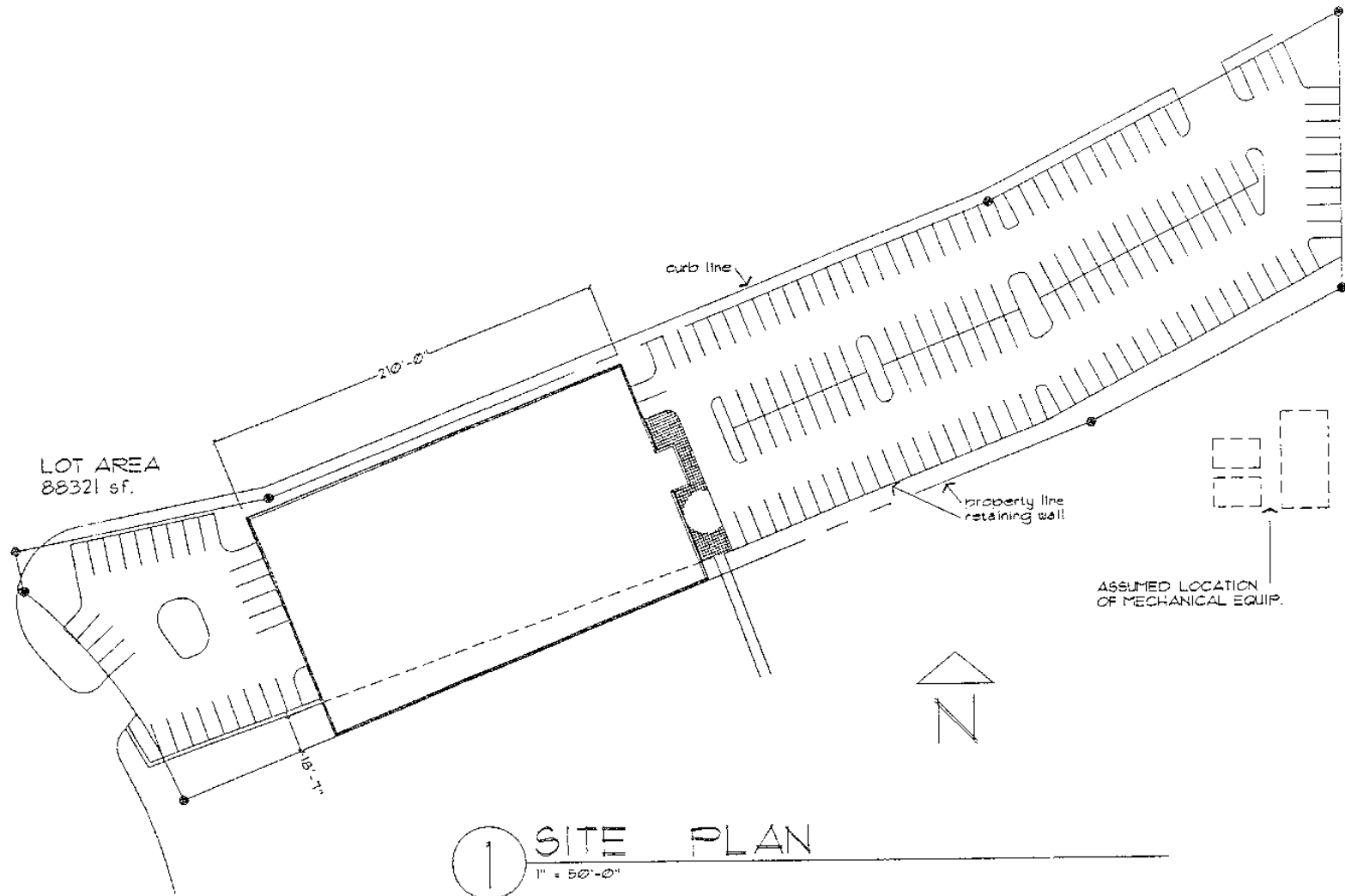
LAND USE SUMMARY

ZONE	R1	
GROSS AREA	7.63	ACRES
NET AREA	7.05	ACRES
ROADS PACKING	1.19	ACRES
STRUCTURES (44 UNITS)	.44	ACRES
RECREATIONAL & OPEN SPACE	3.50	ACRES
INTERFACING	1.92	ACRES
DENSITY	12.24	UNITS/ACRE

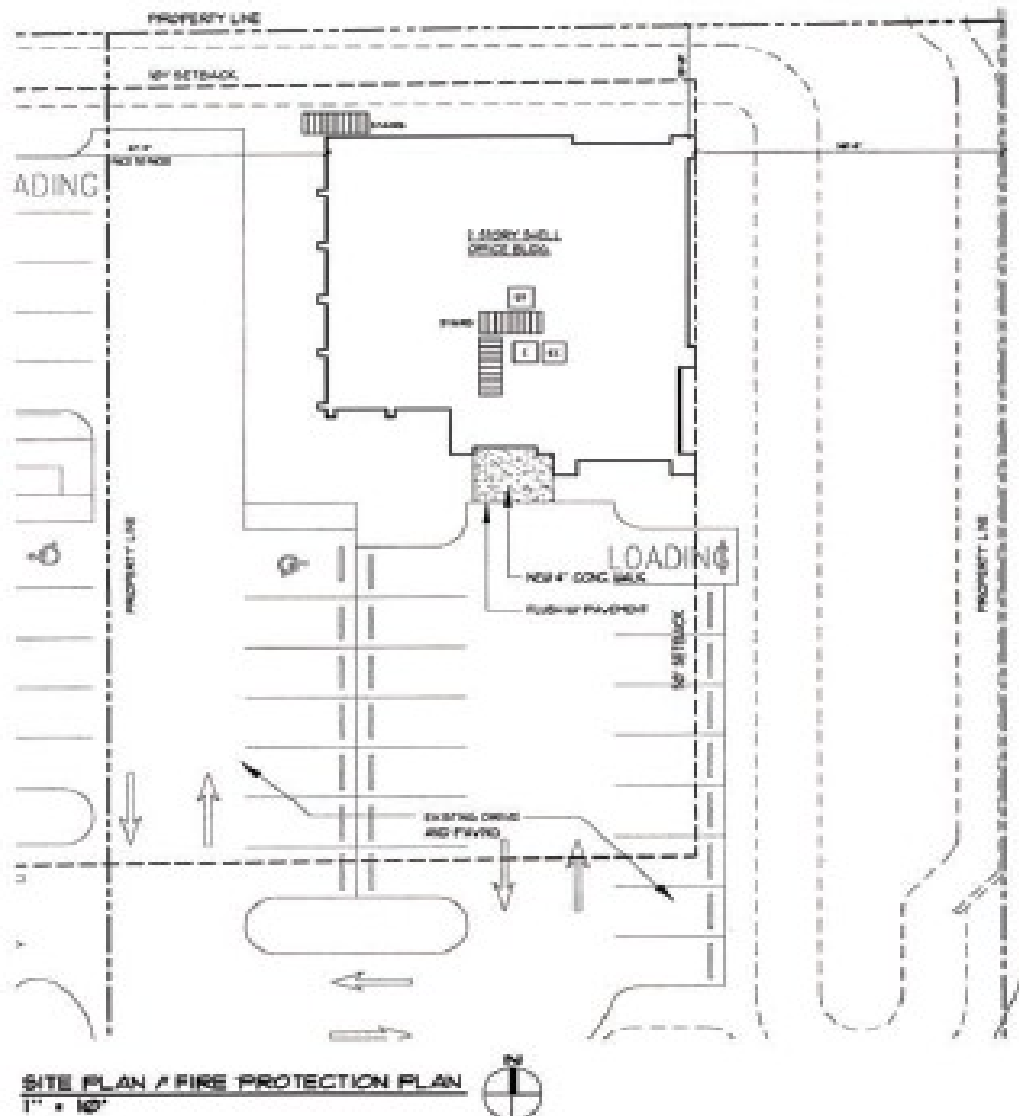
Site Plans



Site Plans



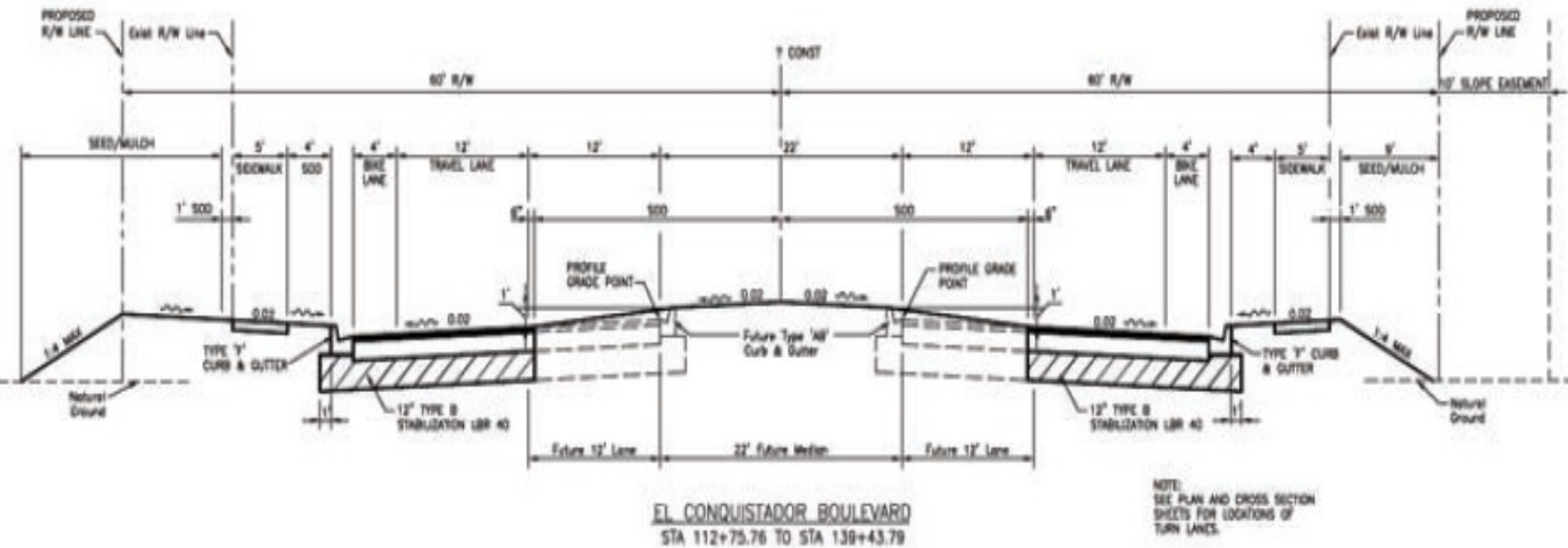
Site Plans



DOLLAR COUNTY FIRE
DISPATCH SYSTEM
 PREPARED BY: []
 DATE: []

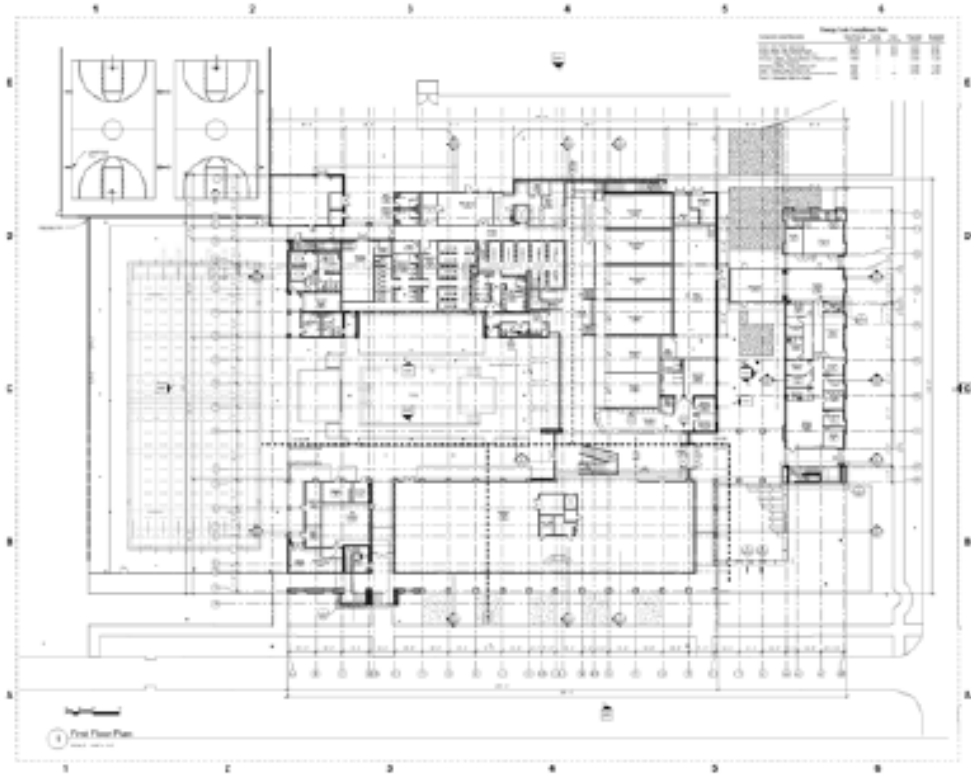
1	10	20	30
2	11	21	31
3	12	22	32
4	13	23	33
5	14	24	34
6	15	25	35
7	16	26	36
8	17	27	37
9	18	28	38
10	19	29	39
11	20	30	40
12	21	31	41
13	22	32	42
14	23	33	43
15	24	34	44
16	25	35	45
17	26	36	46
18	27	37	47
19	28	38	48
20	29	39	49
21	30	40	50
22	31	41	51
23	32	42	52
24	33	43	53
25	34	44	54
26	35	45	55
27	36	46	56
28	37	47	57
29	38	48	58
30	39	49	59
31	40	50	60
32	41	51	61
33	42	52	62
34	43	53	63
35	44	54	64
36	45	55	65
37	46	56	66
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40	49	59	69
41	50	60	70
42	51	61	71
43	52	62	72
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47	56	66	76
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53	62	72	82
54	63	73	83
55	64	74	84
56	65	75	85
57	66	76	86
58	67	77	87
59	68	78	88
60	69	79	89
61	70	80	90
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63	72	82	92
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77	86	96	106
78	87	97	107
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80	89	99	109
81	90	100	110
82	91	101	111
83	92	102	112
84	93	103	113
85	94	104	114
86	95	105	115
87	96	106	116
88	97	107	117
89	98	108	118
90	99	109	119
91	100	110	120
92	101	111	121
93	102	112	122
94	103	113	123
95	104	114	124
96	105	115	125
97	106	116	126
98	107	117	127
99	108	118	128
100	109	119	129
101	110	120	130
102	111		

Site Plans

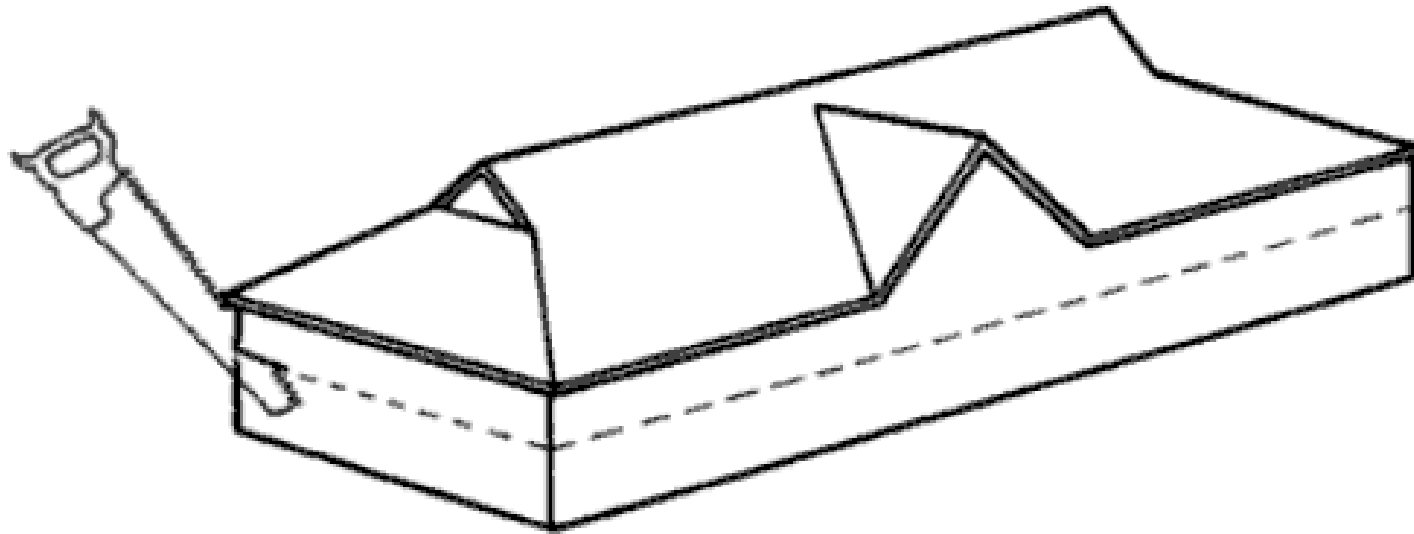


Types of Architectural Drawings

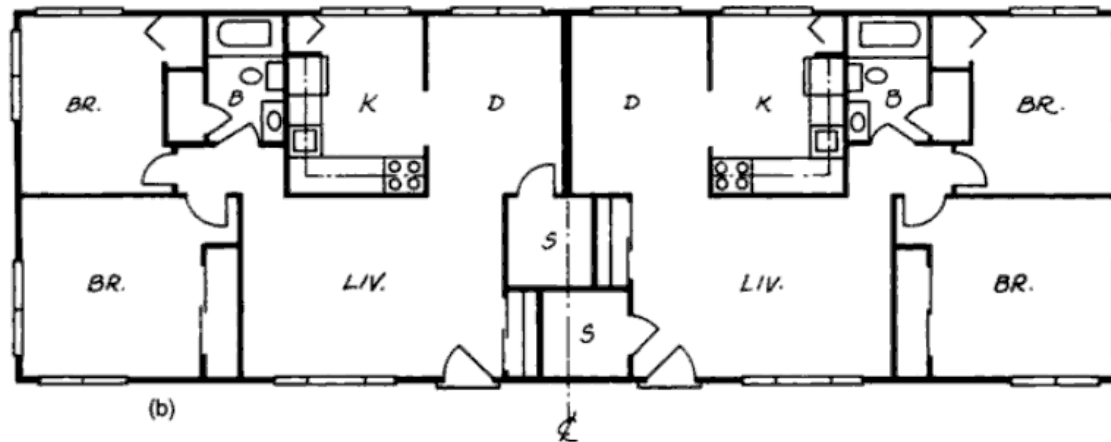
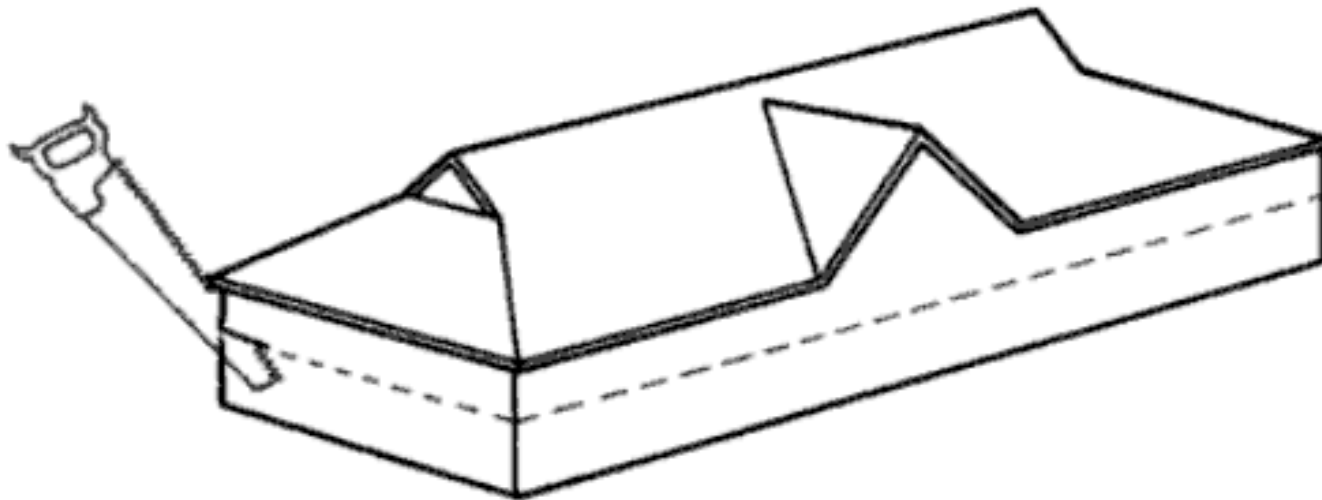
- **Floor Plan:** horizontal slice through building approx. 4'-0" above floor
- **Find:** Wall & door layouts, dimensions, symbols, & refers you elsewhere



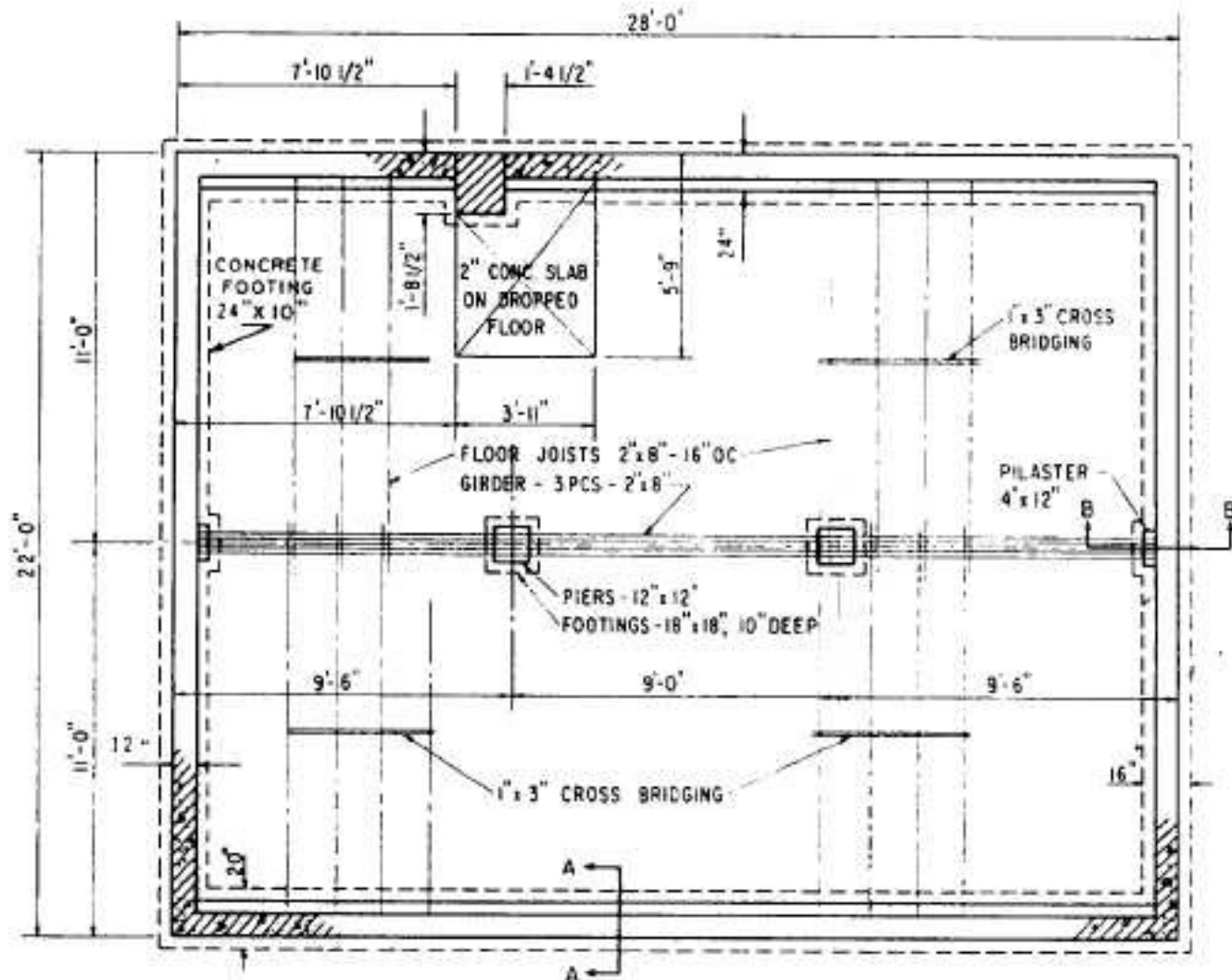
Foundation & Basement Plans



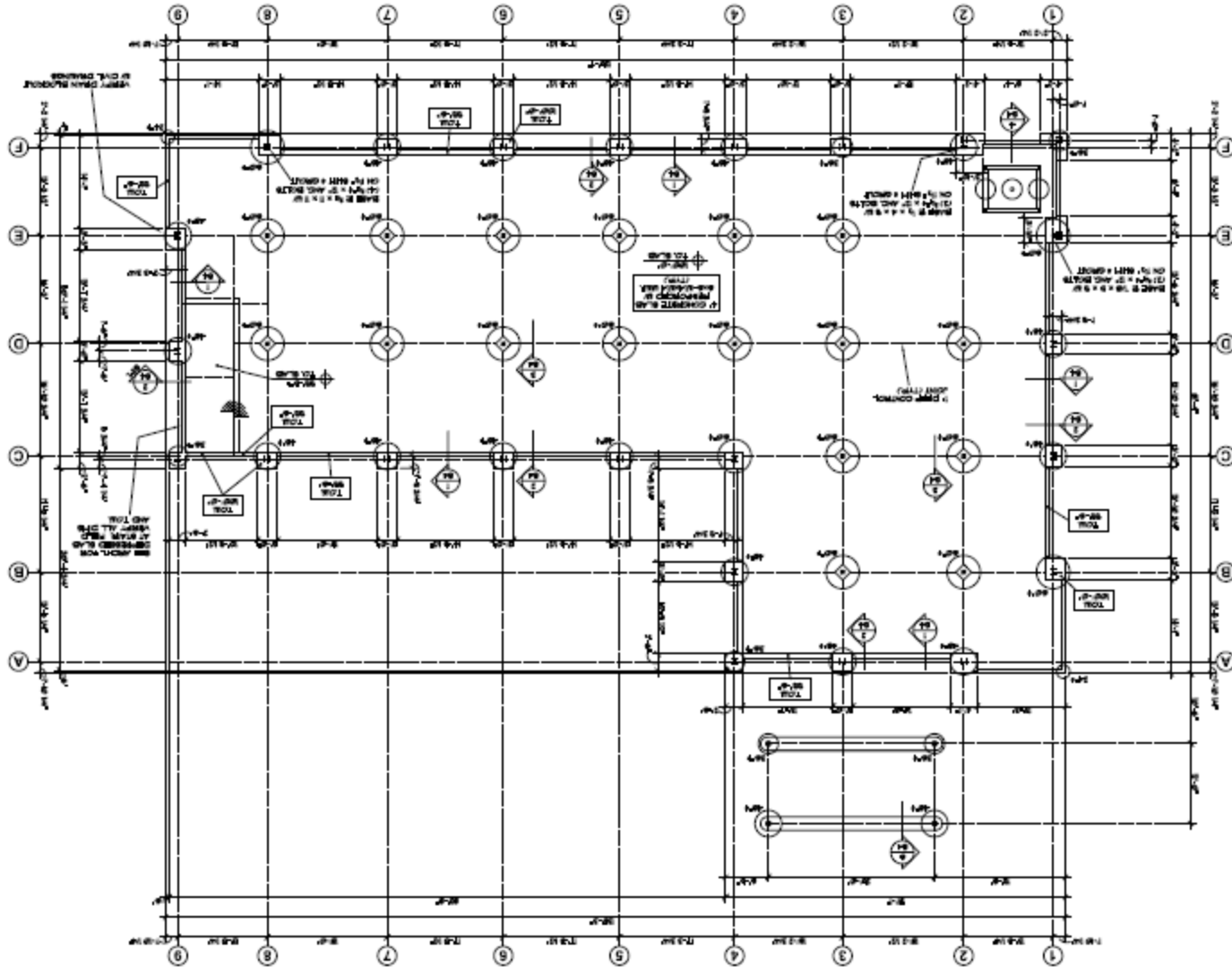
Foundation & Basement Plans



Foundation & Basement Plans



Foundation Plan

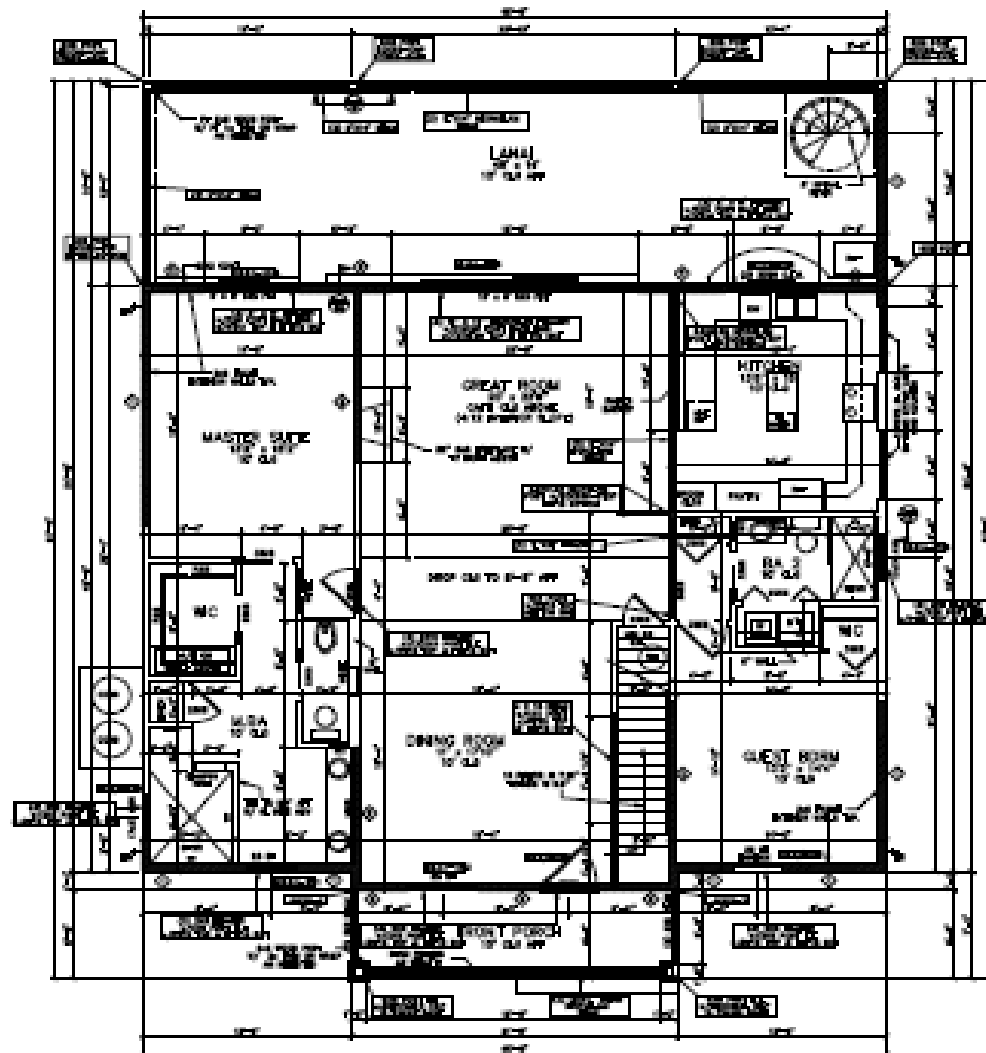


Architectural floor plan of the second floor of the New York City Police Department's 11th Precinct. The plan shows a large rectangular building with a grid of rooms and corridors. Key features include a central staircase, several large rooms labeled 'OFFICE' and 'MEETING ROOM', and a large area labeled 'RECORDS'. The plan is annotated with numerous callouts and dimensions. A legend in the bottom right corner explains the symbols used for doors, windows, and other architectural elements.

Floor Plan



Floor Plan



FIRST FLOOR PLAN
SCALE 1/4" = 1'-0"

- DRAWING INDEX**
1. FLOOR PLANS
 2. ELEVATIONS
 3. ELEVATIONS
 4. ELECTRICAL PLANS
 5. FOUNDATION PLAN
 6. FLOOR FINISH/ROOF PLANS
 7. GARAGE PLANS

GENERAL NOTES

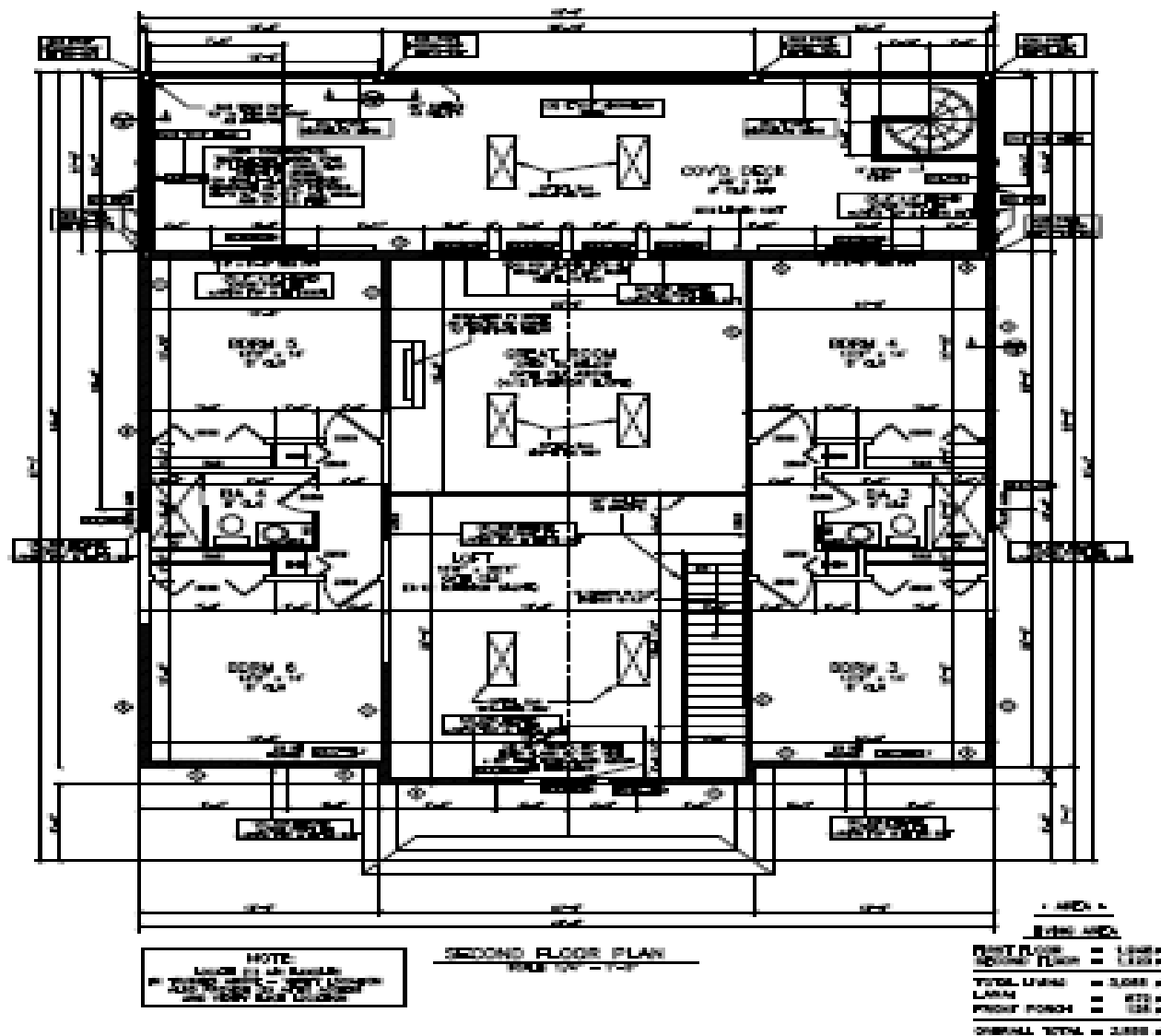
1. ALL DIMENSIONS ARE GIVEN IN FEET AND INCHES. DIMENSIONS ARE GIVEN TO THE CENTERLINE OF THE WALLS UNLESS OTHERWISE NOTED.
2. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT AND ALL OTHER AGENCIES THAT MAY BE REQUIRED FOR THIS PROJECT.
3. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT AND ALL OTHER AGENCIES THAT MAY BE REQUIRED FOR THIS PROJECT.
4. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT AND ALL OTHER AGENCIES THAT MAY BE REQUIRED FOR THIS PROJECT.
5. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT AND ALL OTHER AGENCIES THAT MAY BE REQUIRED FOR THIS PROJECT.
6. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT AND ALL OTHER AGENCIES THAT MAY BE REQUIRED FOR THIS PROJECT.
7. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT AND ALL OTHER AGENCIES THAT MAY BE REQUIRED FOR THIS PROJECT.

THESE PLANS ARE PREPARED BY THE ARCHITECT FOR THE OWNER'S USE. THE ARCHITECT IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS TO THE PLANS AFTER THEY HAVE BEEN ISSUED.

NO.	DATE	DESCRIPTION
1	10/1/2023	ISSUED FOR PERMIT
2	10/15/2023	REVISION 1: CHANGED LIVING ROOM DIMENSIONS
3	10/20/2023	REVISION 2: CHANGED KITCHEN DIMENSIONS
4	10/25/2023	REVISION 3: CHANGED BATHROOM DIMENSIONS
5	10/30/2023	REVISION 4: CHANGED MASTER SUITE DIMENSIONS
6	11/5/2023	REVISION 5: CHANGED GUEST ROOM DIMENSIONS
7	11/10/2023	REVISION 6: CHANGED DINING ROOM DIMENSIONS
8	11/15/2023	REVISION 7: CHANGED BREAKFAST ROOM DIMENSIONS
9	11/20/2023	REVISION 8: CHANGED POOL DIMENSIONS
10	11/25/2023	REVISION 9: CHANGED DECK DIMENSIONS

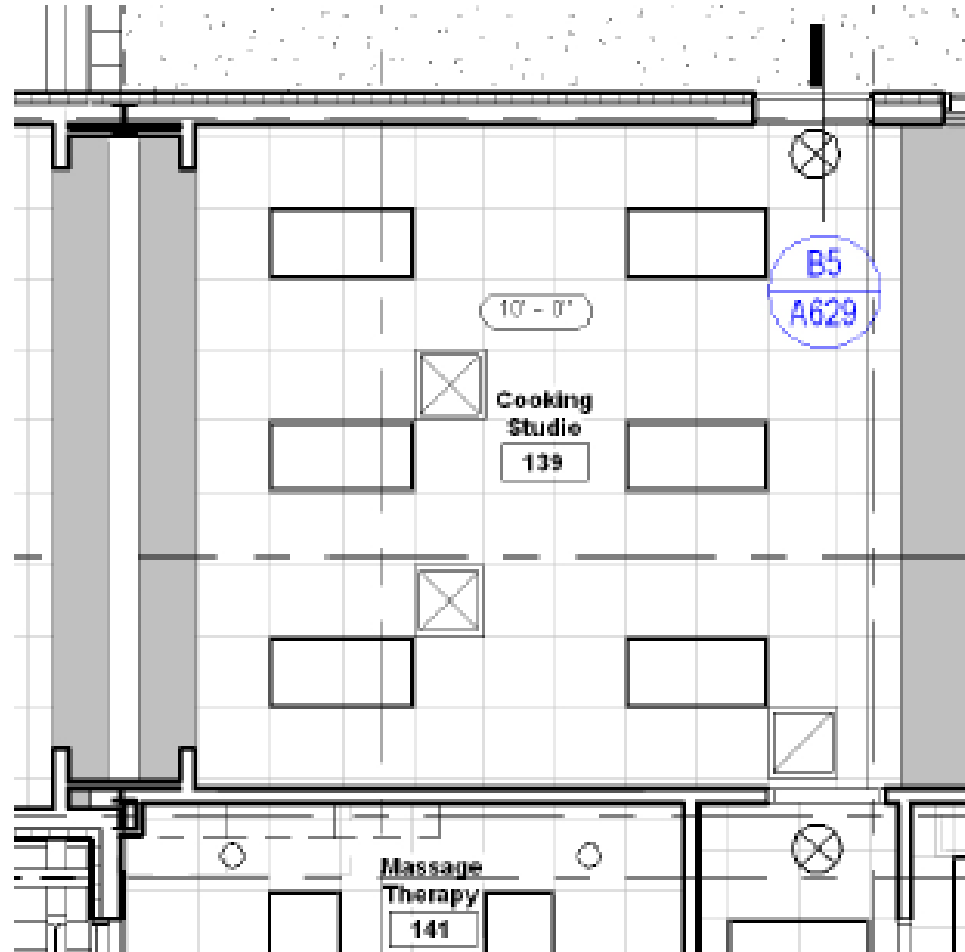
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2	10/15/2023	REVISION 1: CHANGED LIVING ROOM DIMENSIONS
3	10/20/2023	REVISION 2: CHANGED KITCHEN DIMENSIONS
4	10/25/2023	REVISION 3: CHANGED BATHROOM DIMENSIONS
5	10/30/2023	REVISION 4: CHANGED MASTER SUITE DIMENSIONS
6	11/5/2023	REVISION 5: CHANGED GUEST ROOM DIMENSIONS
7	11/10/2023	REVISION 6: CHANGED DINING ROOM DIMENSIONS
8	11/15/2023	REVISION 7: CHANGED BREAKFAST ROOM DIMENSIONS
9	11/20/2023	REVISION 8: CHANGED POOL DIMENSIONS
10	11/25/2023	REVISION 9: CHANGED DECK DIMENSIONS

Floor Plan



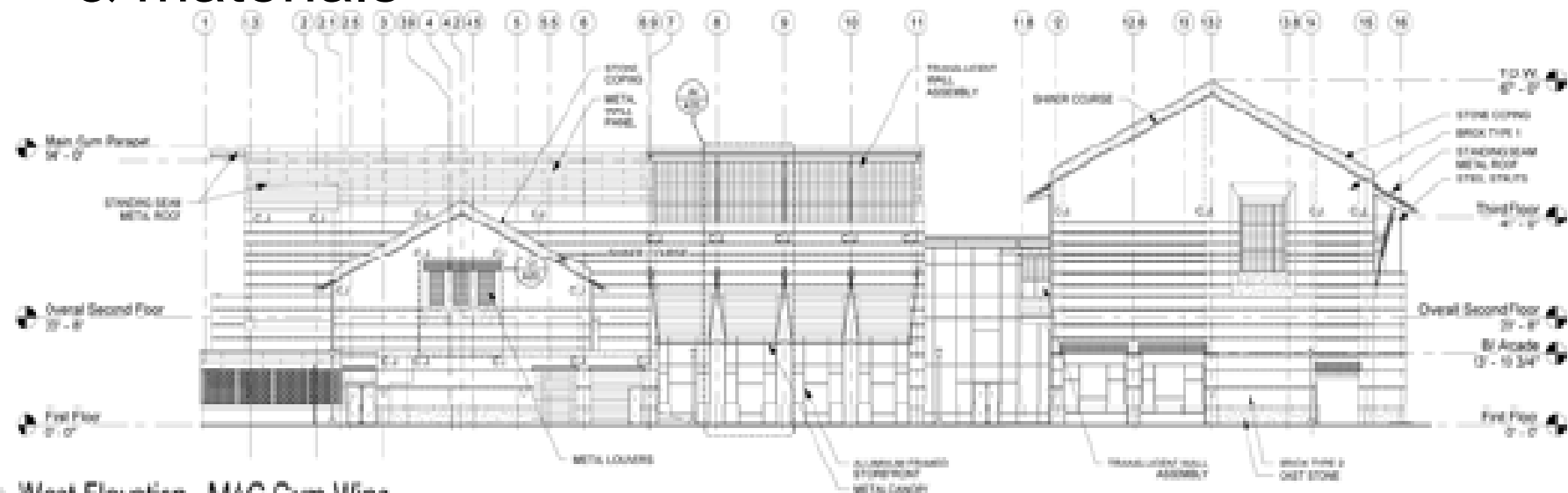
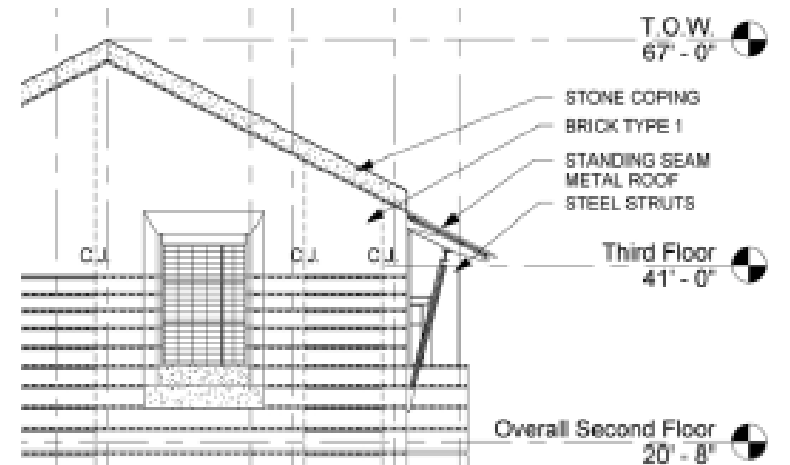
Types of Architectural Drawings

- **Reflected Ceiling Plan:** plan looking at ceiling
- **Find:** Light fixtures, air grilles, ceiling heights, ceiling treatment



Types of Architectural Drawings

- **Elevation:** straight-on view (two dimensional)
- **Find:** Building appearance & materials



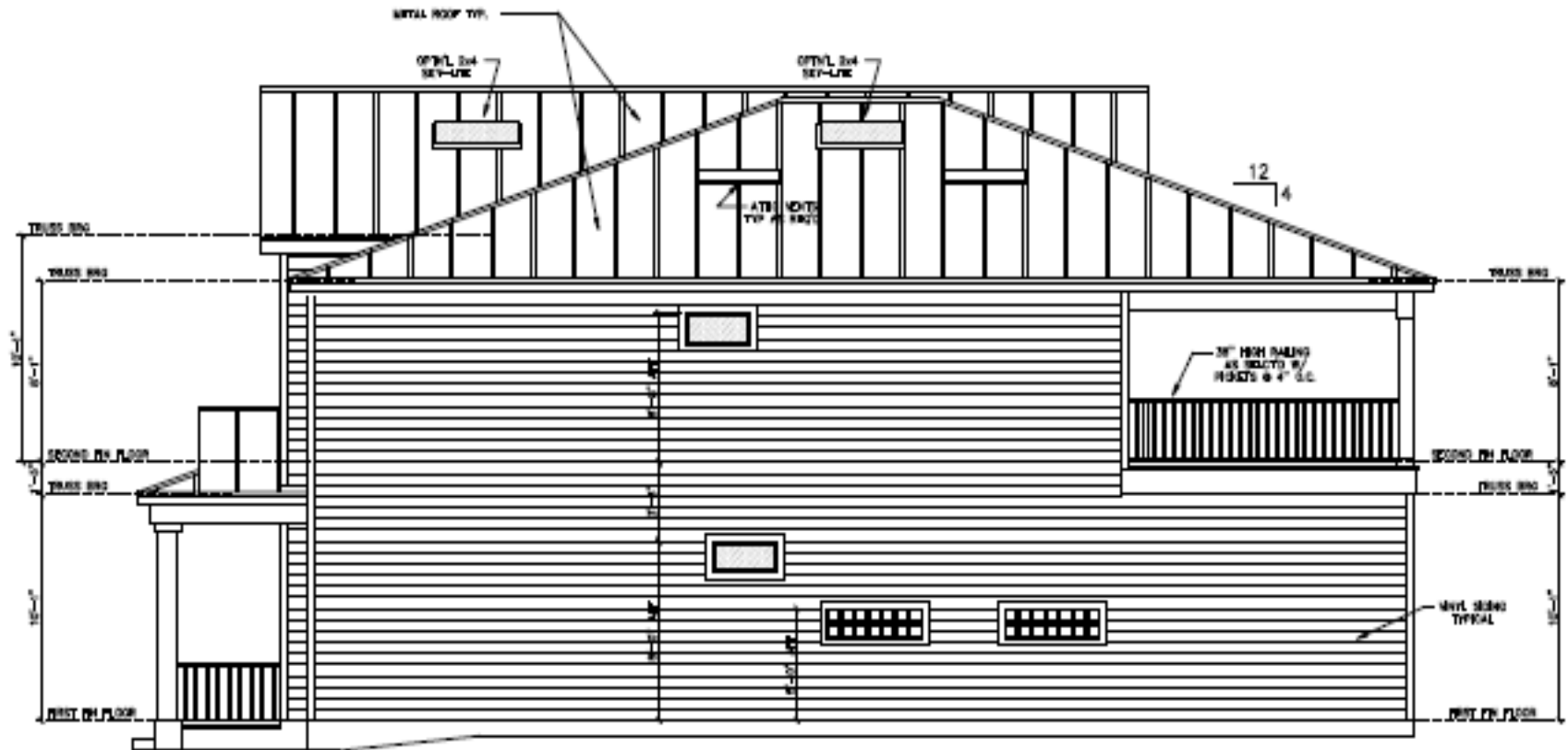
Elevation



FRONT ELEVATION

SCALE: 1/4" = 1'-0"

Elevation



RIGHT-SIDE ELEVATION

SCALE: 1/4" = 1'-0"

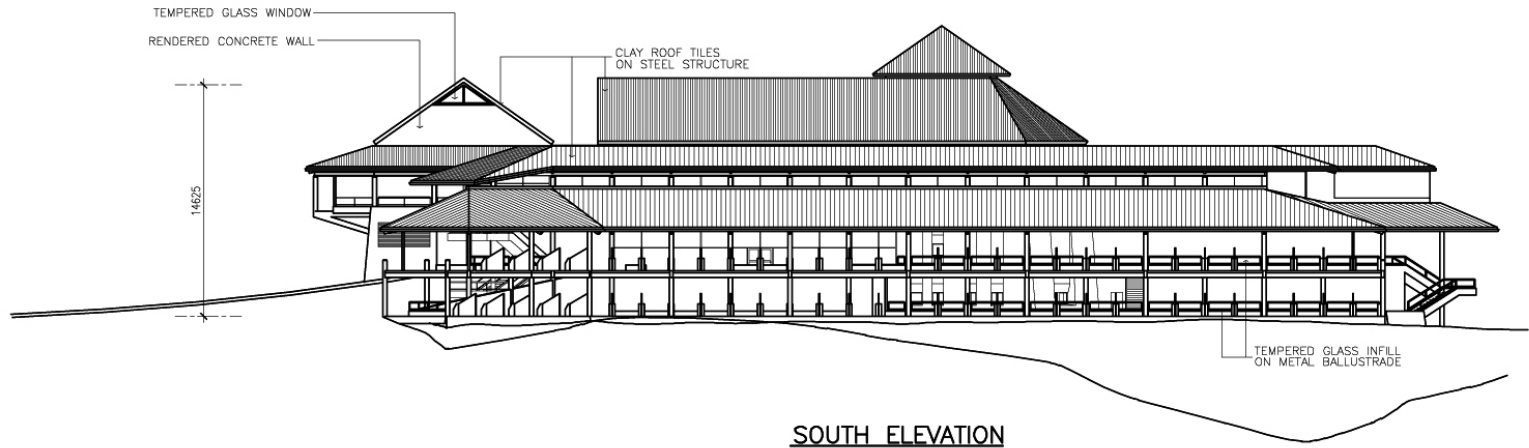
Elevation



REAR ELEVATION

SCALE: 1/4" = 1'-0"

Elevation

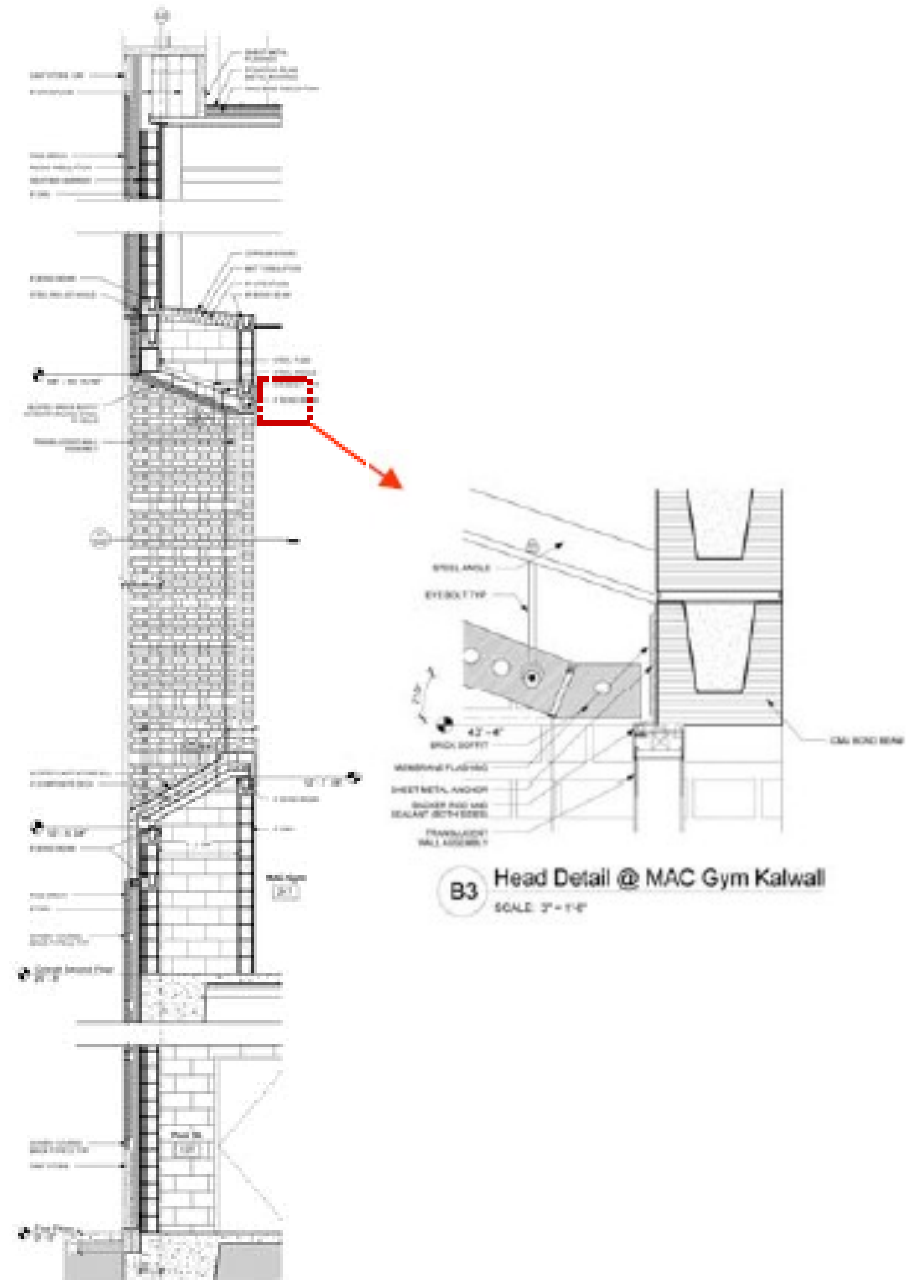


Types of Architectural Drawings

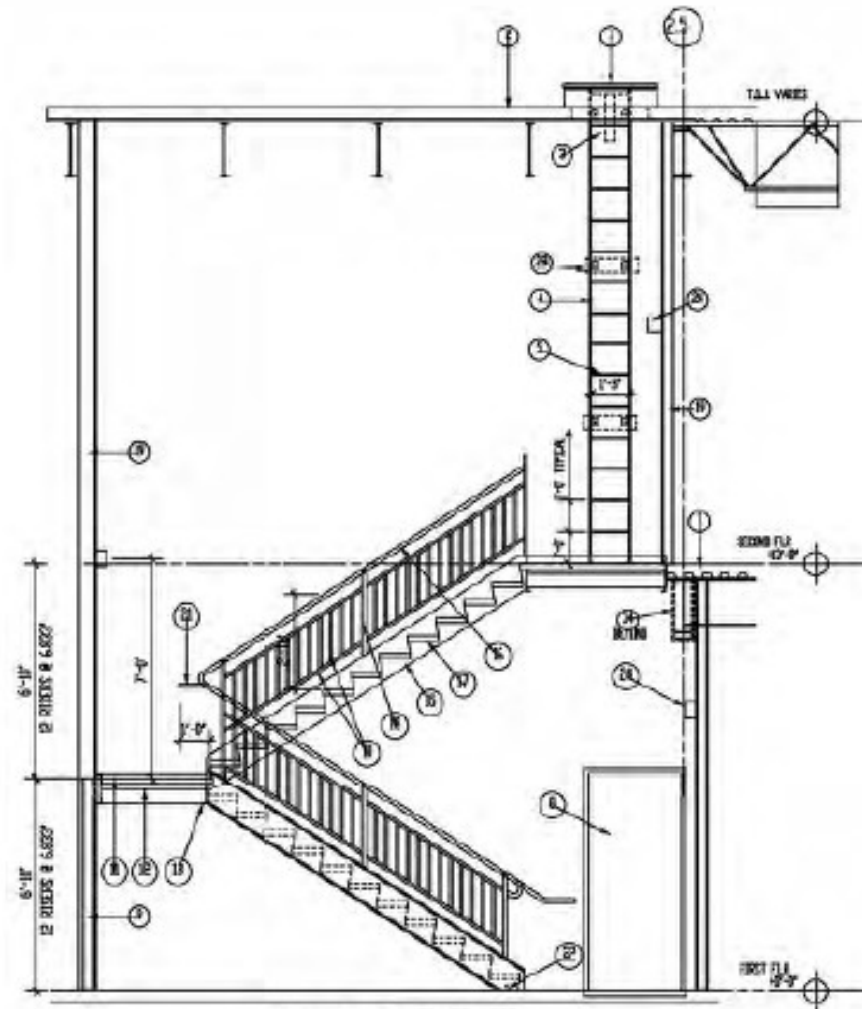
- **Section:** vertical slice through building
- **Find:** Floor-to-floor heights, dimensions, vertical stacking



- **Wall Section:** large scale section through exterior wall
- **Find:** Detailed information about how to build exterior wall



Sections

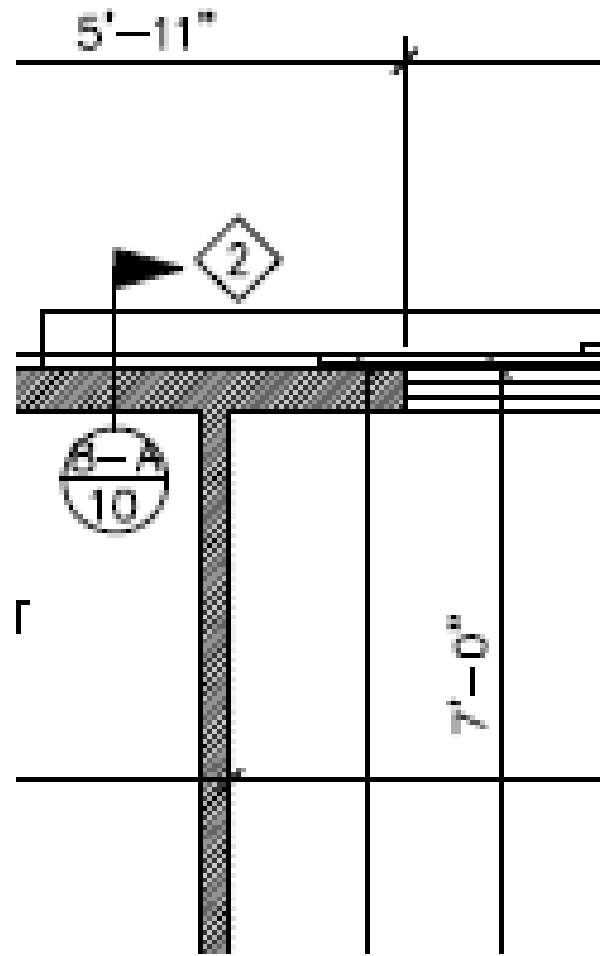


NOTE: ALL EXPOSED METAL STAIR AND RAILS TO BE PAINTED.

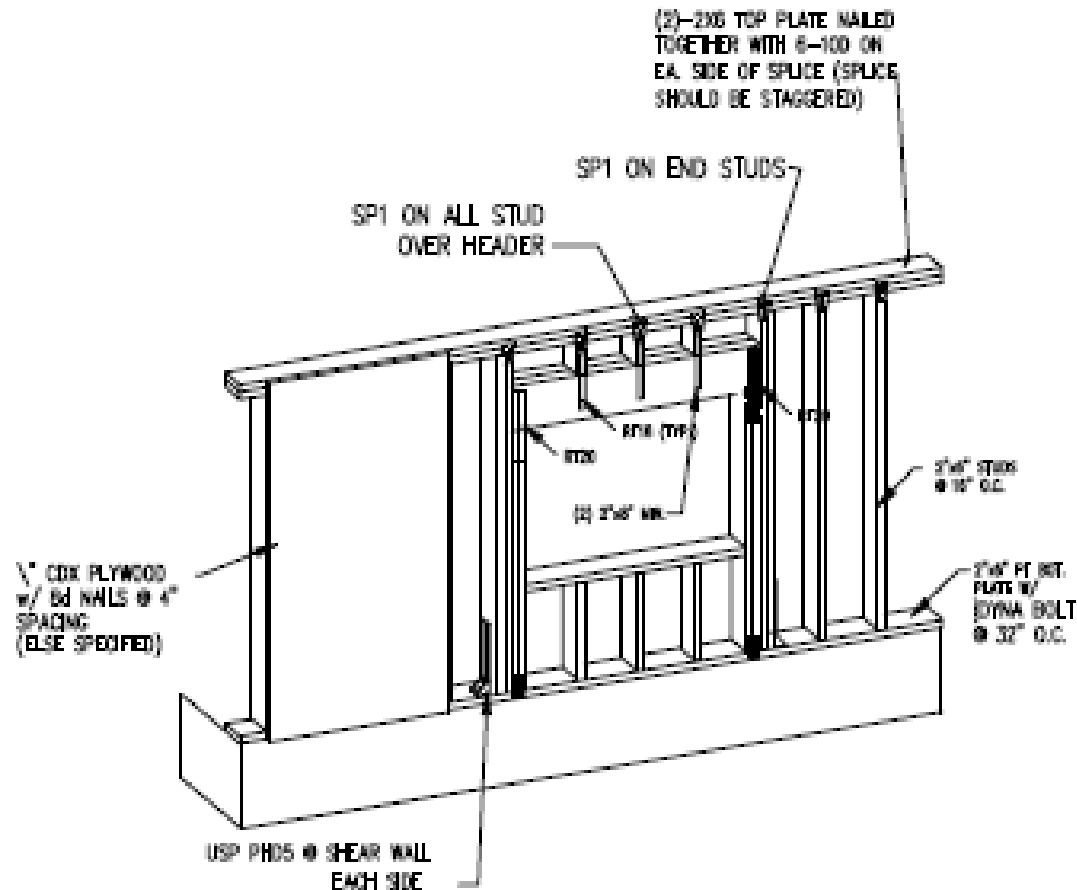
SECTION AT STAIR #1

SCALE: 3/8" = 1'-0"

Sections



Details



TYPICAL OPENING

N.T.S.

2-A
11

D3

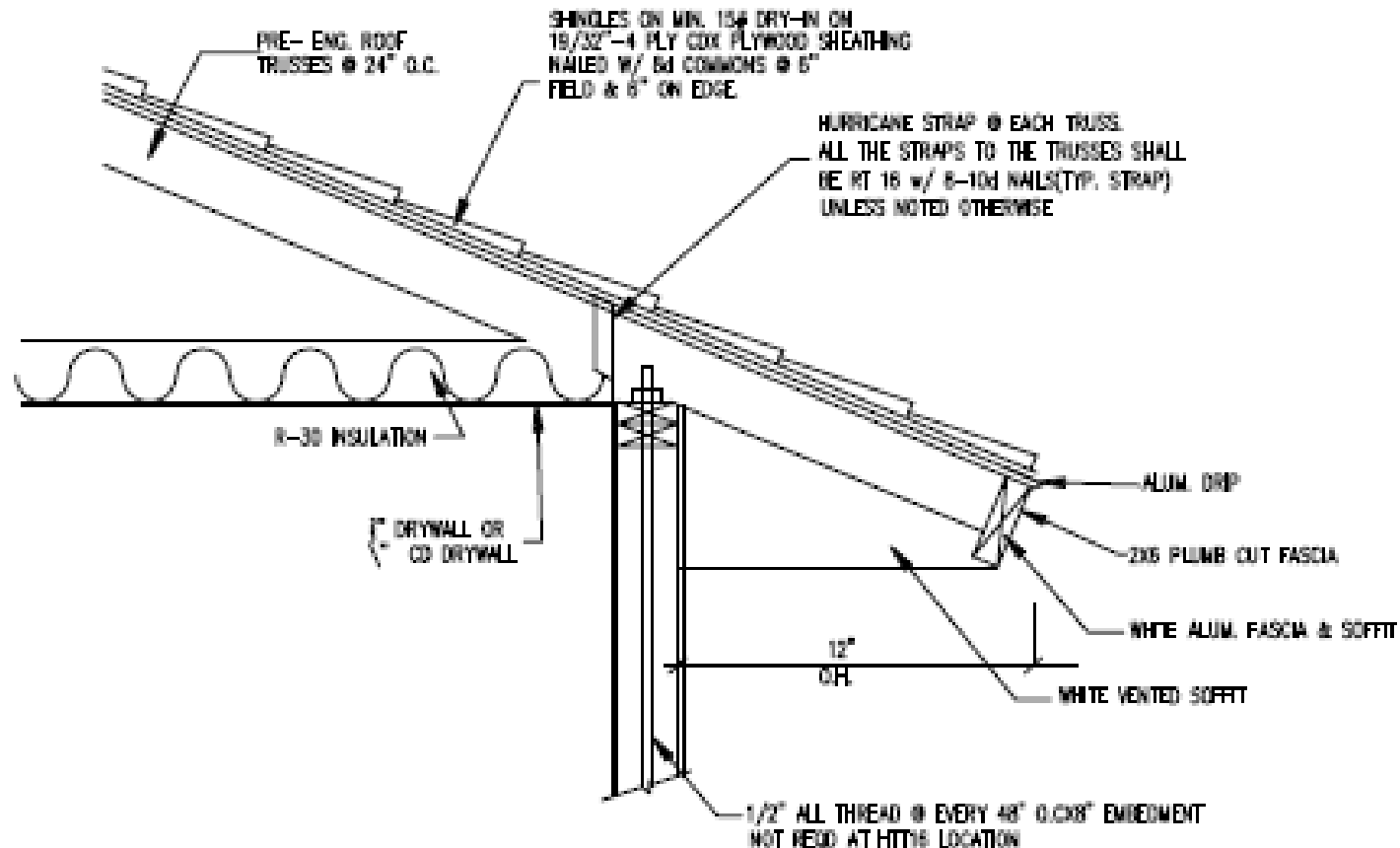
Plan Detail

SCALE: 3/4" = 1'-0"

Plan Detail

SCALE: 3/4" = 1'-0"

Details



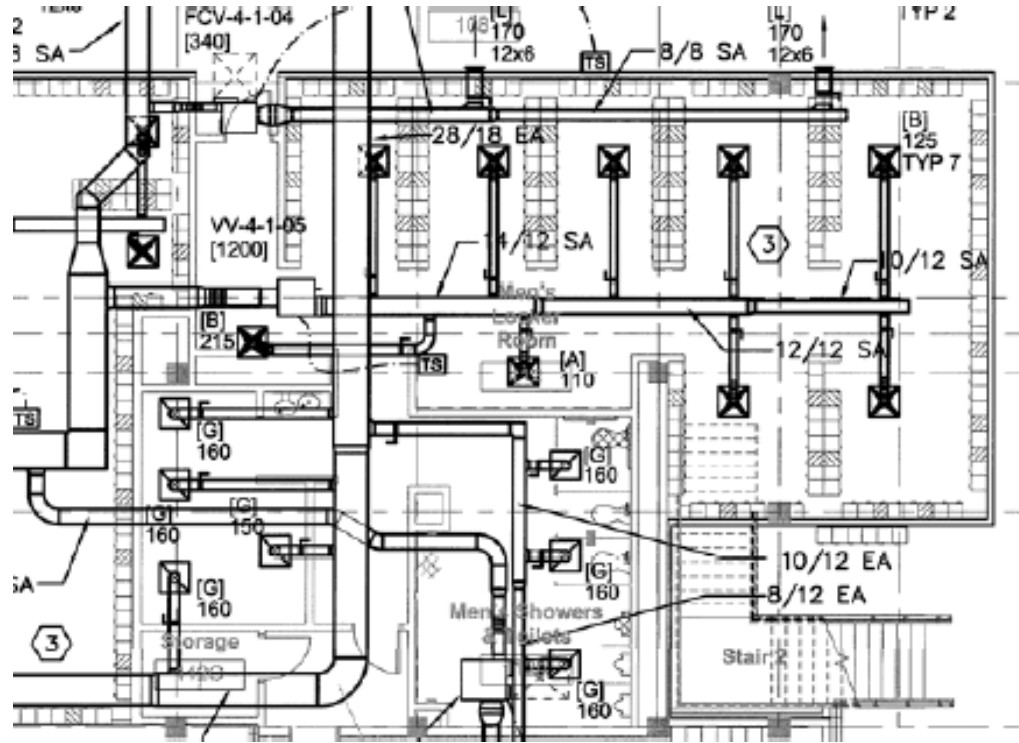
ROOF CONNECTION

N.T.S.

2-A
10

Types of Architectural Drawings

- **Mechanical Drawing:** describes type & location of heating & cooling equipment, thermostats
- Typically identified on “**M**” drawings



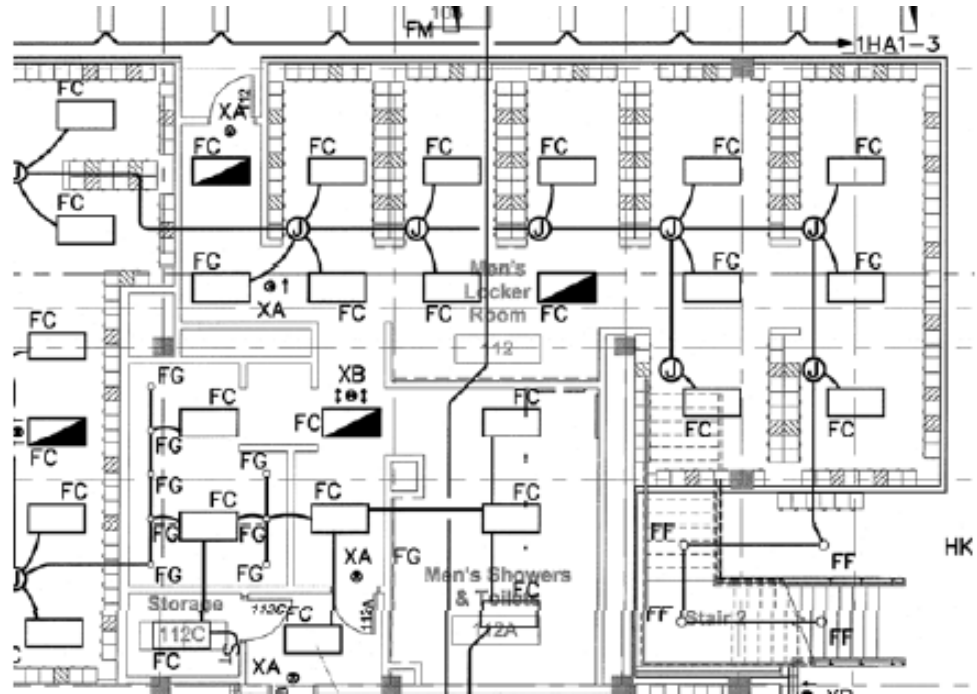
Architectural floor plan of Level 1, Pauline North. The plan shows a large central hall with a staircase at the bottom. To the left is a large room with a circular feature. To the right is a long corridor with several rooms. A detailed inset of the staircase area is shown in the top right corner. A legend on the right lists room numbers and names. The title 'LEVEL 1 - PAULINE NORTH' is at the bottom.

Legend:

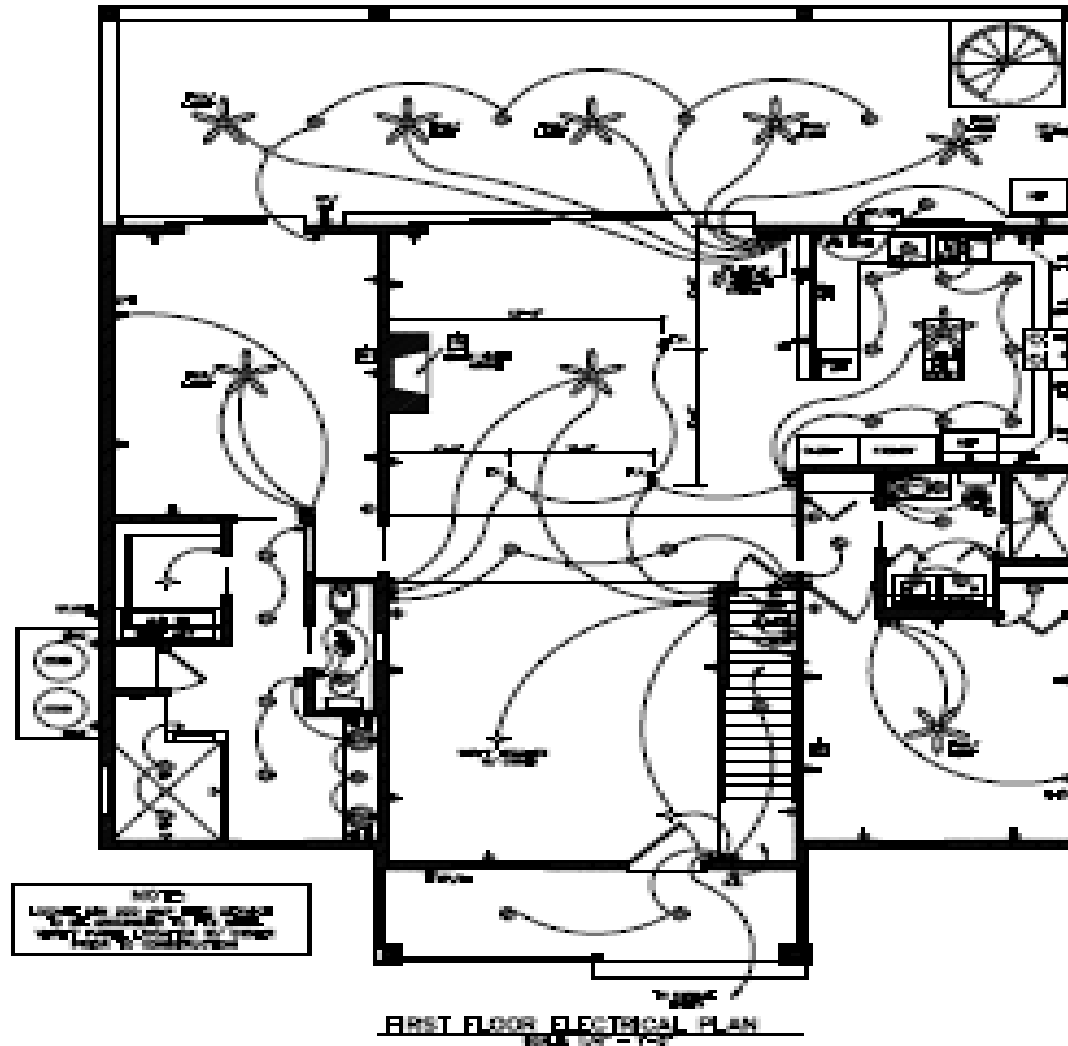
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Types of Architectural Drawings

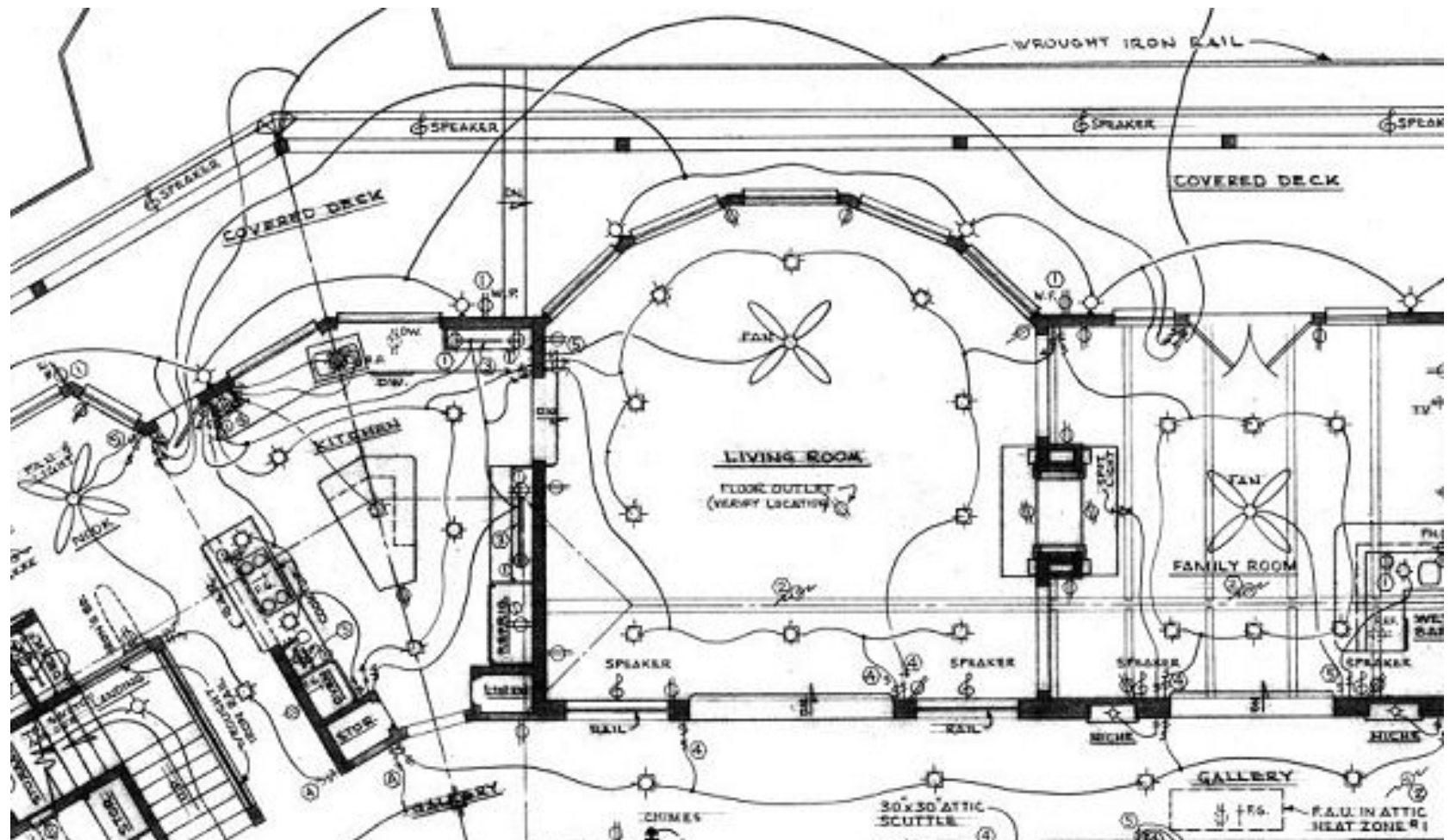
- **Electrical Drawing:** describes type & location of power and lighting
- Typically identified on “E” drawings



Electrical Plans

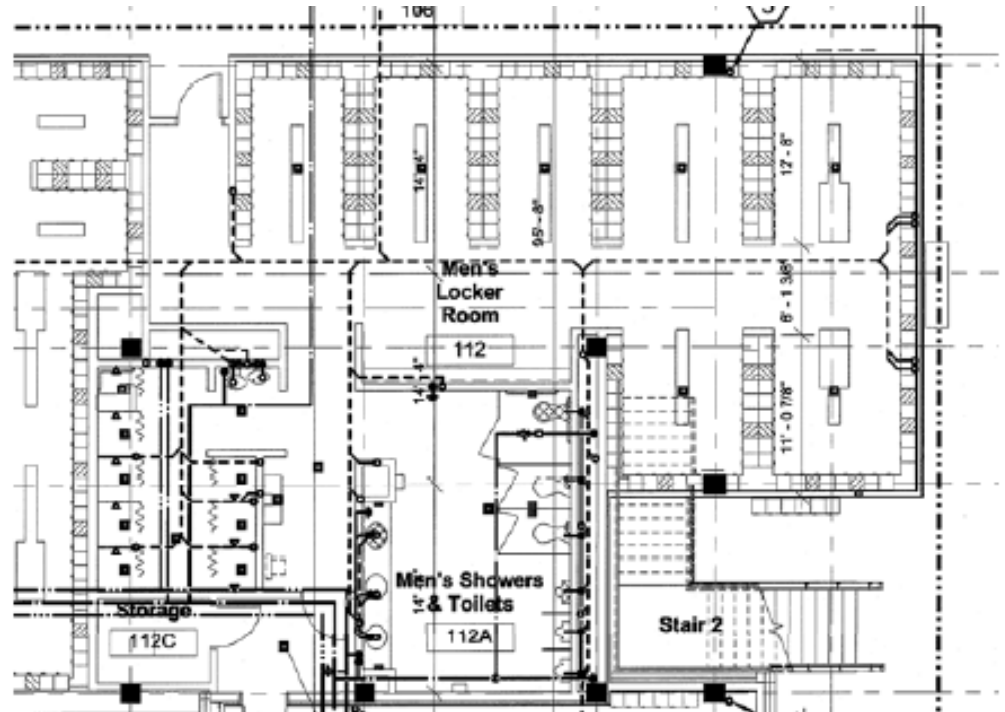


Electrical Plans

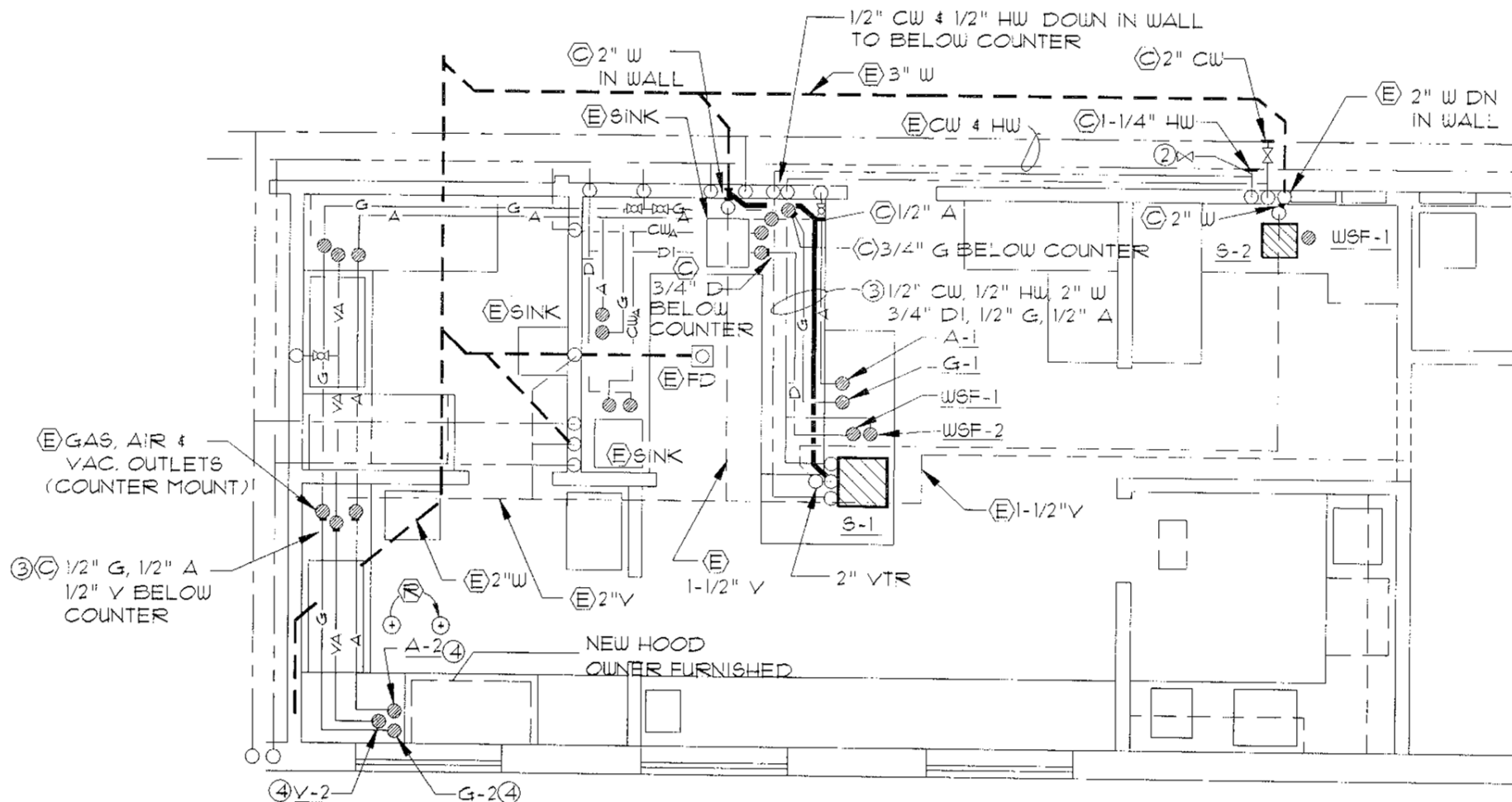


Types of Architectural Drawings

- **Plumbing Drawing:** describes type & location of sinks, water closets, drinking fountains, etc.
- Typically identified on “**P**” drawings

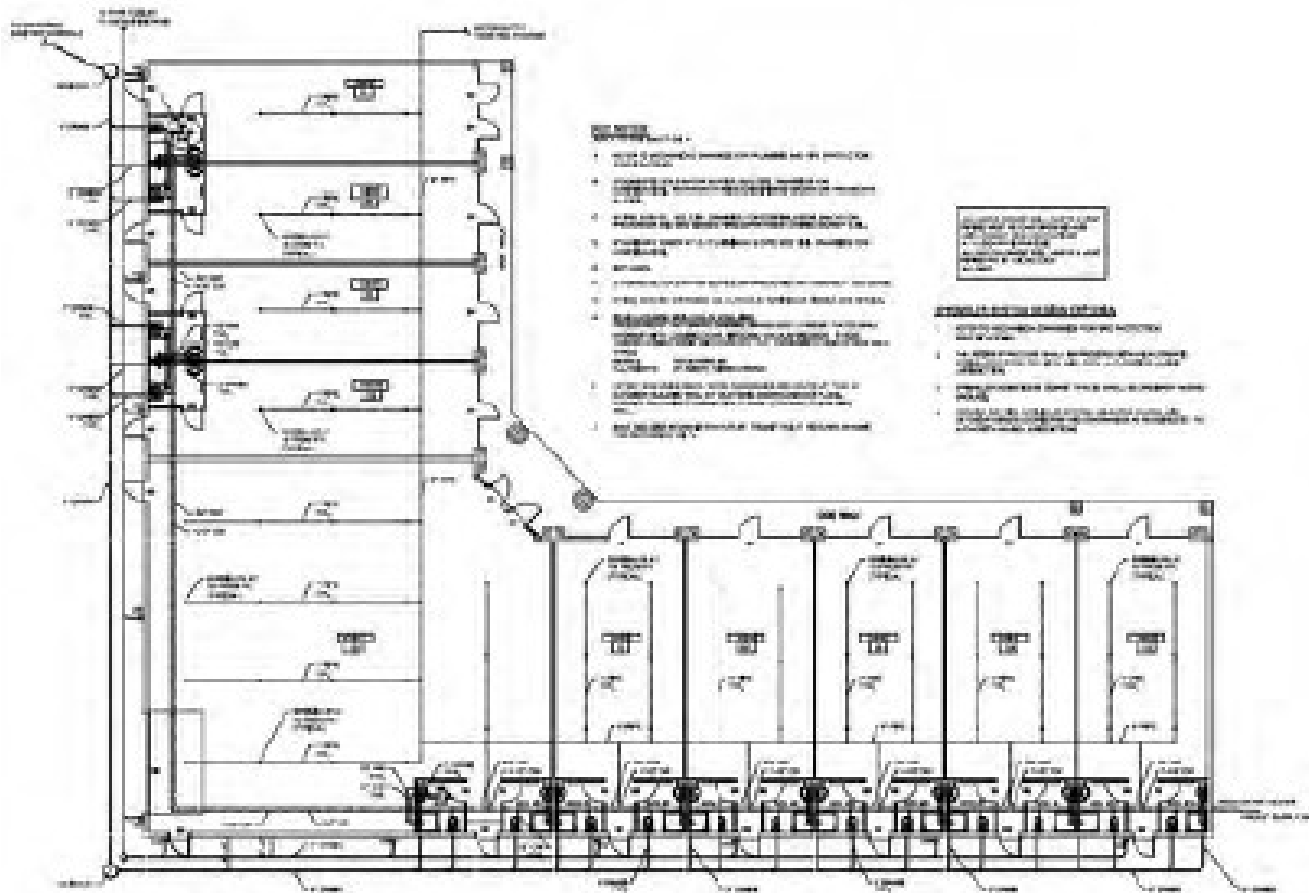


Plumbing Plan



2 PLUMBING FLOOR PLAN
MI 1/4" = 1'-0"

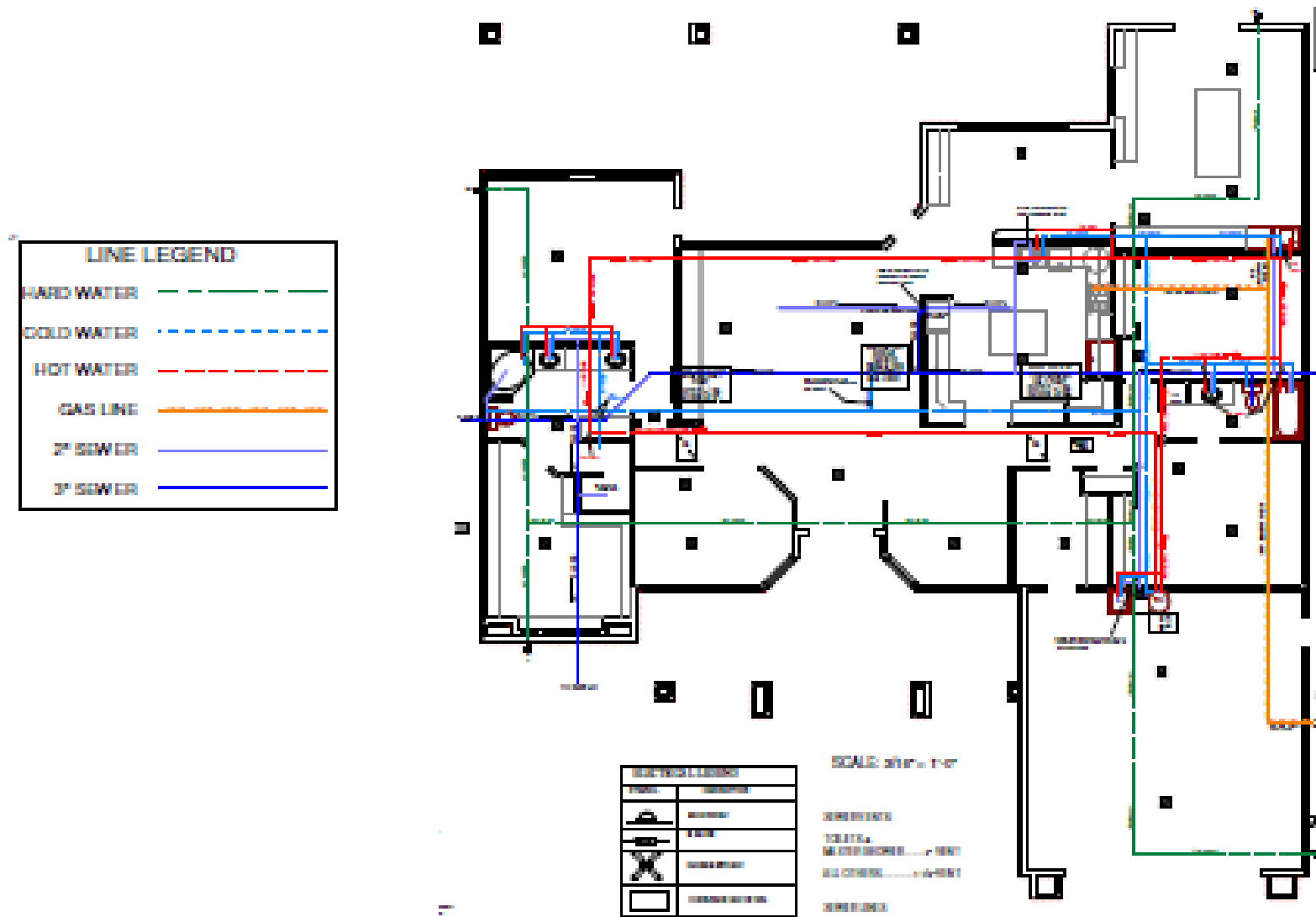
Plumbing Plan



FLOOR PLAN - PLUMBING & SPRINKLER LAYOUT

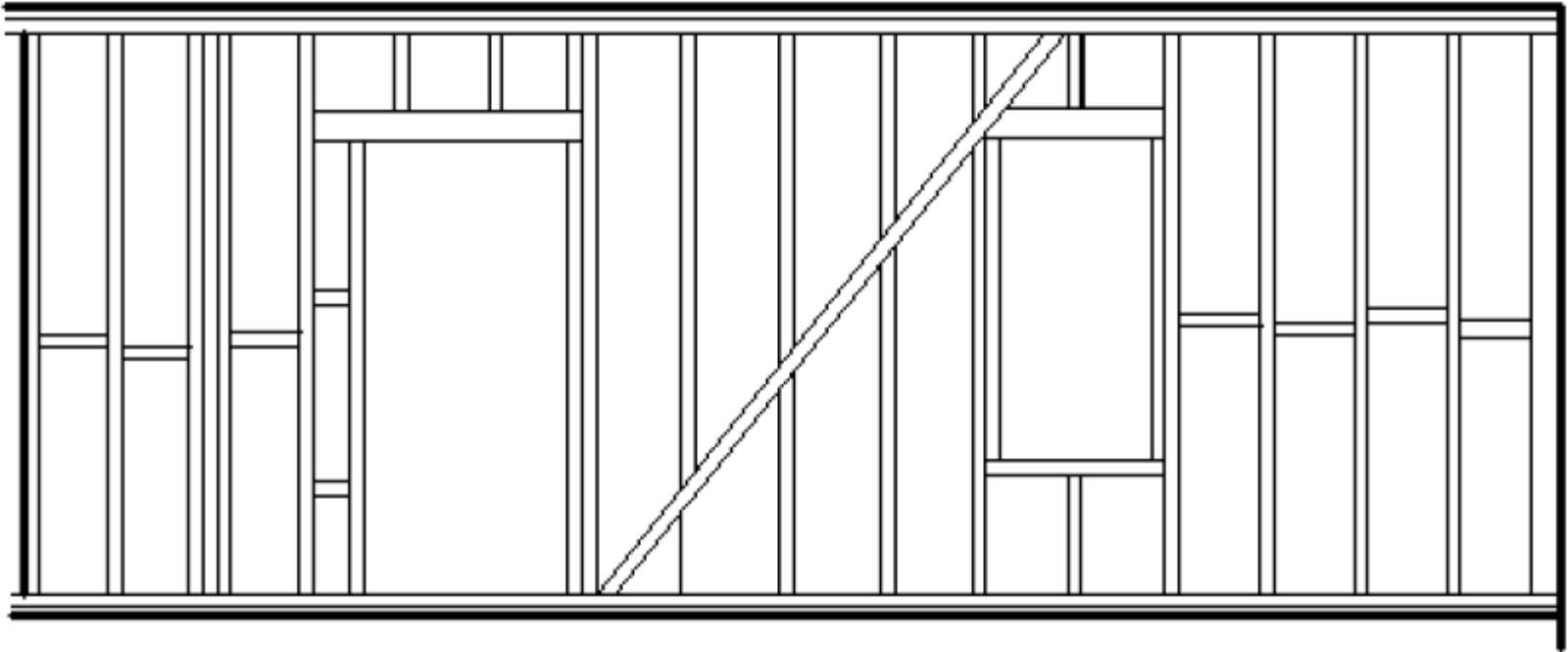
SCALE: 1/8" = 1'-0"

Plumbing Plan



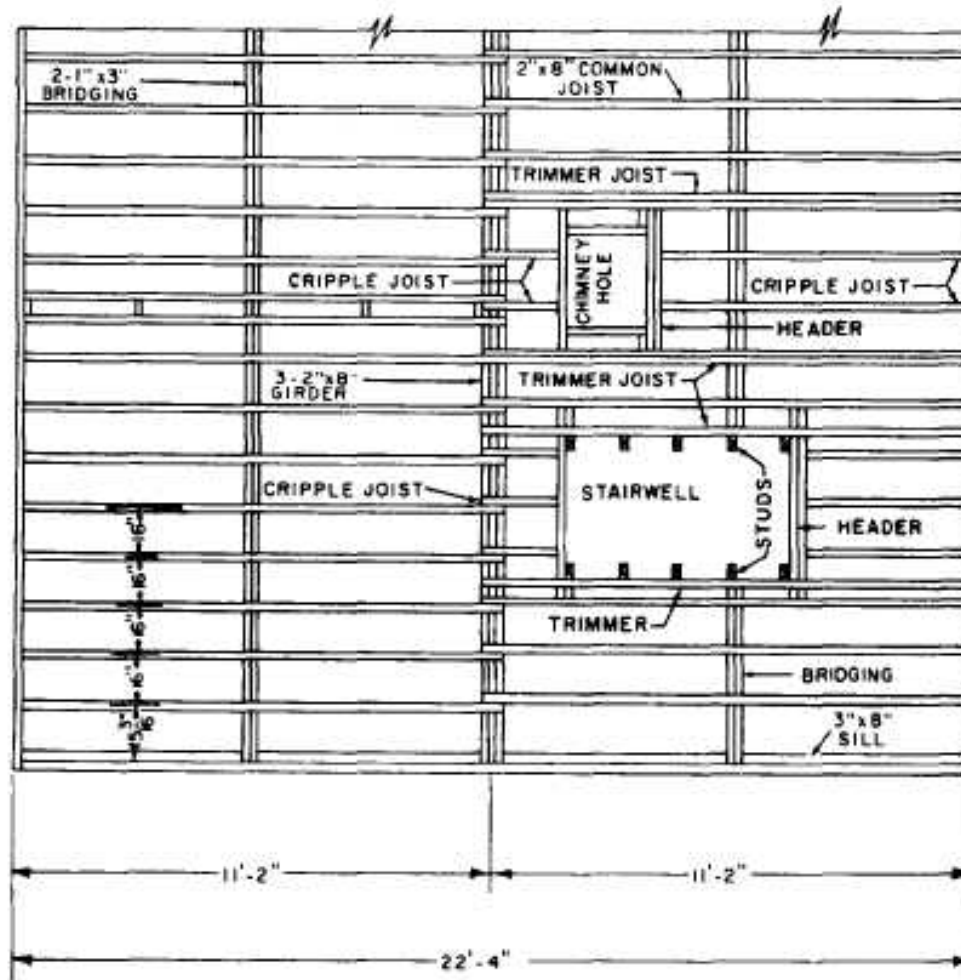
[illegible]

Framing Plan



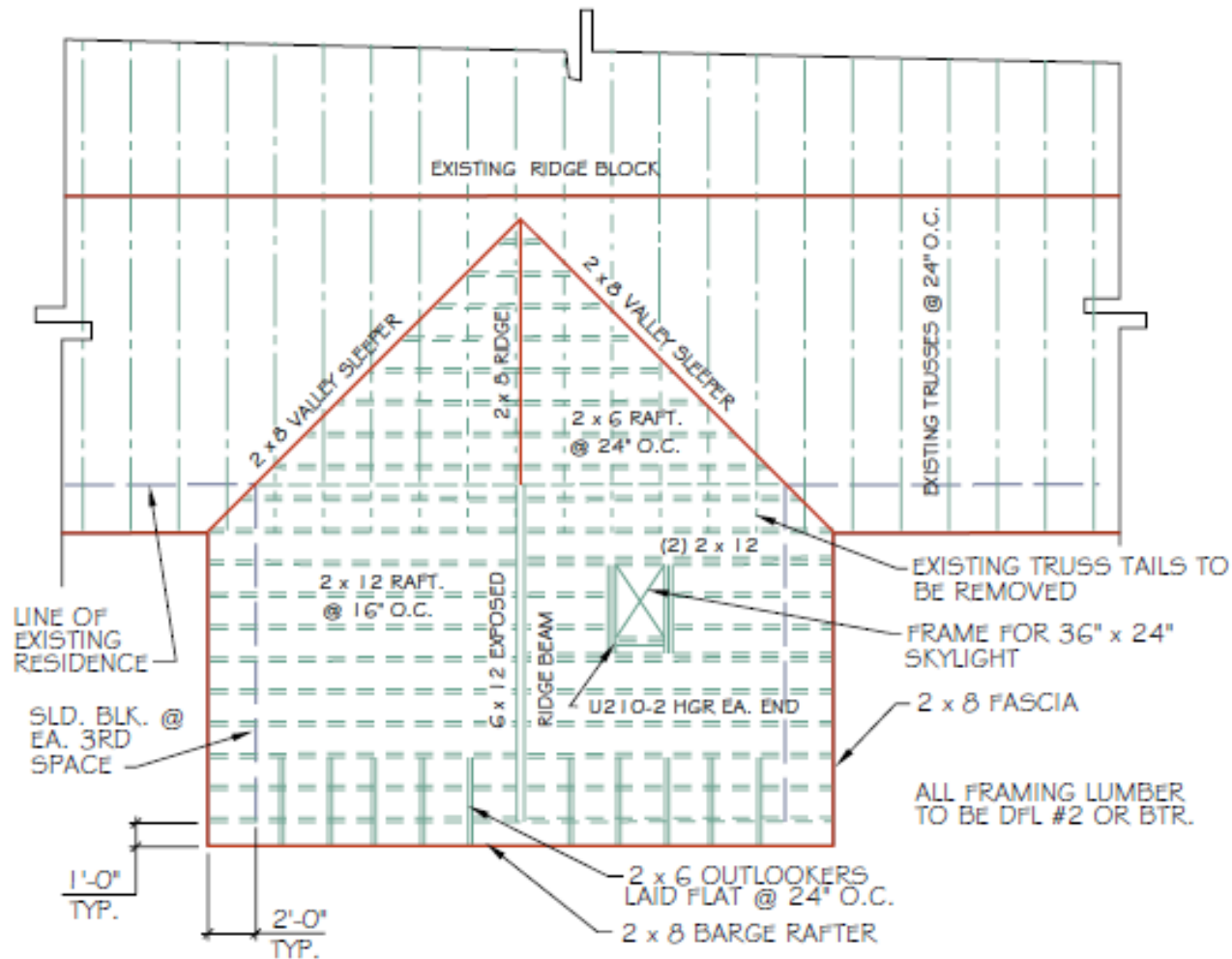
Wall Framing Plan

Framing Plan



Floor Framing

Framing Plan



ROOF FRAMING PLAN

1/4" = 1'-0"

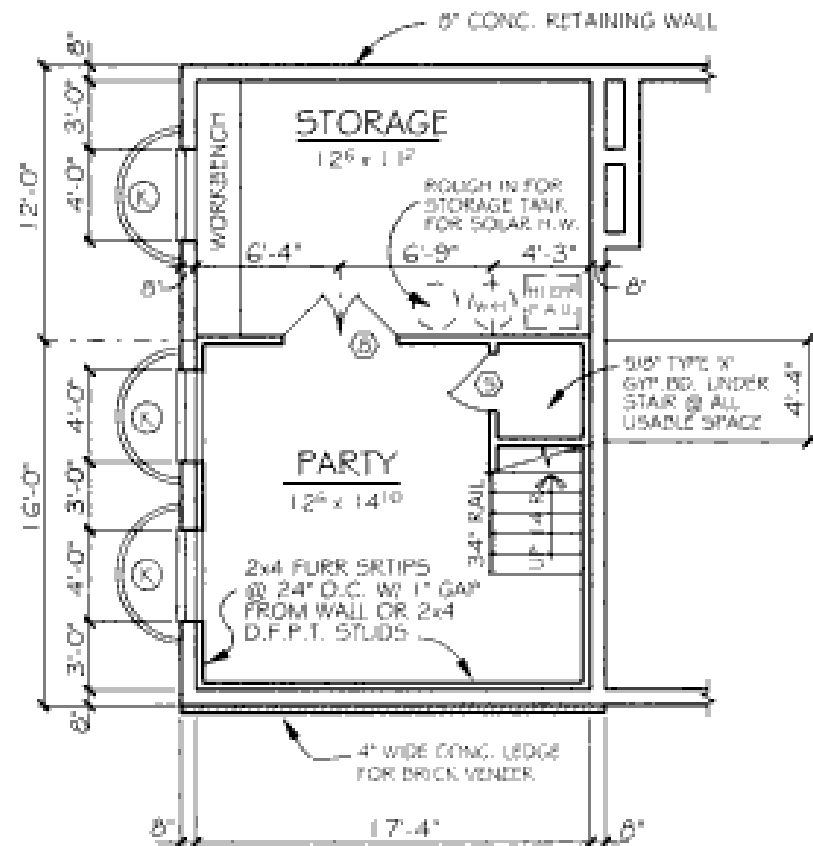
Door & Window Schedules

Door Schedule				
Location	Type	Size	Quantity	Remarks
1	A	3'-0" x 6'-0" x 1 3/4"	1	Insulated
2	B	4'-0" x 6'-0" x 1 3/4"	2	Insulated
3	C	1'-0" x 6'-8" x 1 3/4"	1	
4	D	4'-0" x 6'-0" x 1 3/4"	1	
5	E	2'-4" x 6'-8" x 1 3/8"	2	
6	F	2'-4" x 6'-8" x 1 3/8"	3	
7	G	2'-4" x 6'-8" x 1 3/8"	2	
8	H	3'-0" x 2'-6" x 1 3/8"	1	Lowered
9	I	4'-0" x 6'-8" x 1 3/8"	1	Double bifold
10	J	1'-6" x 6'-8" x 1 3/8"	4	Double bifold
11	K	4'-0" x 2'-6" x 1 3/8"	8	Double bifold
12	L	2'-4" x 6'-8" x 1 3/8"	2	Double bifold
Window Schedule				
1	A	4' - 1" x 2'-1"	8	Insulated glass
2	B	4' - 1" x 5'-3"	6	Insulated glass
3	C	4' x 1" x 4' x 1"	4	Insulated glass

Door & Window Schedules

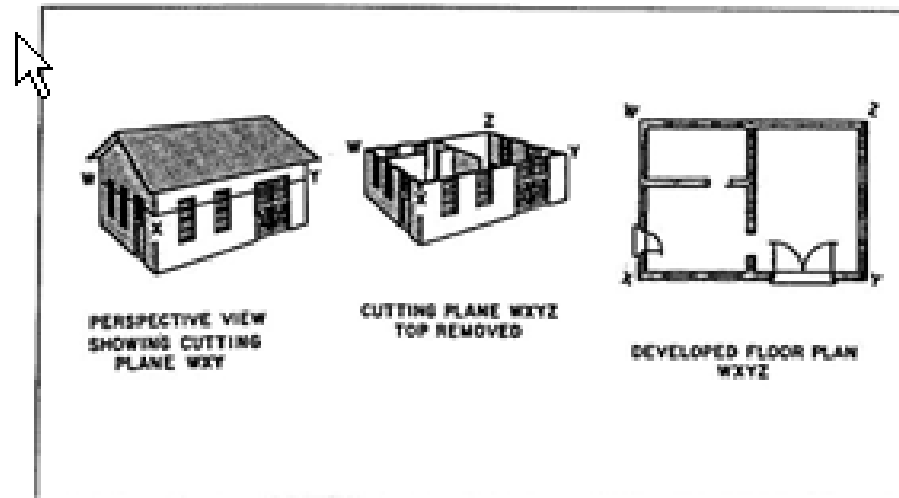
WINDOW SCHEDULE				
SYM.	SIZE	MODEL	ROUGH OPEN	QUAN.
A	1'-0" x 5'-0"	TEMPERED		2
B	8'-0" x 5'-0"	W4N5 CSM	8'-2 1/8" x 5'-5 1/8"	1
C	4'-0" x 5'-0"	W2N5 CSM	4'-2 1/8" x 5'-5 1/8"	2
D	4'-0" x 3'-6"	W2N3 CSM	4'-2 1/8" x 3'-5 1/8"	2
E	3'-6" x 3'-6"	2N3 CSM	3'-5 1/8" x 3'-5 1/8"	2
F	6'-0" x 4'-0"	G64 SLDG	6'-0 1/8" x 4'-0 1/8"	1
G	5'-0" x 3'-6"	GS36 SLDG	5'-0 1/8" x 3'-6 1/8"	4
H	4'-0" x 3'-6"	G436 SLDG	4'-0 1/8" x 3'-6 1/8"	1
J	4'-0" x 2'-0"	A41 AWN	4'-0 1/8" x 2'-0 1/8"	3
K	4'-0" x 4'-0"	G42 SLDG	4'-0 1/8" x 4'-0 1/8"	3

DOOR SCHEDULE			
SYM.	SIZE	TYPE	QUAN.
1	3'-0" x 6'-8"	S.C. R.P. METAL INSULATED	1
2	3'-0" x 6'-8"	S.C. FLUSH METAL INSUL	2
3	2'-8" x 6'-8"	S.C. SELF CLOSING	2
4	2'-8" x 6'-8"	H.C.	5
5	2'-6" x 6'-8"	H.C.	5
6	2'-6" x 6'-8"	POCKET	2
7	2'-4" x 6'-8"	POCKET	1
8	PR 2'-6" x 6'-8"	H.C.	1
9	5'-0" x 6'-0"	BI-PASS	2
10	3'-0" x 6'-8"	BI-FOLD	1
11	4'-0" x 6'-8"	BI-FOLD	1
12	2'-0" x 6'-0"	SHATTER PROOF	1
13	6'-0" x 6'-8"	WOOD FRAME-TEMP. SLDG. GL.	1
14	8'-0" x 7'-0"	OVERHEAD GARAGE	2

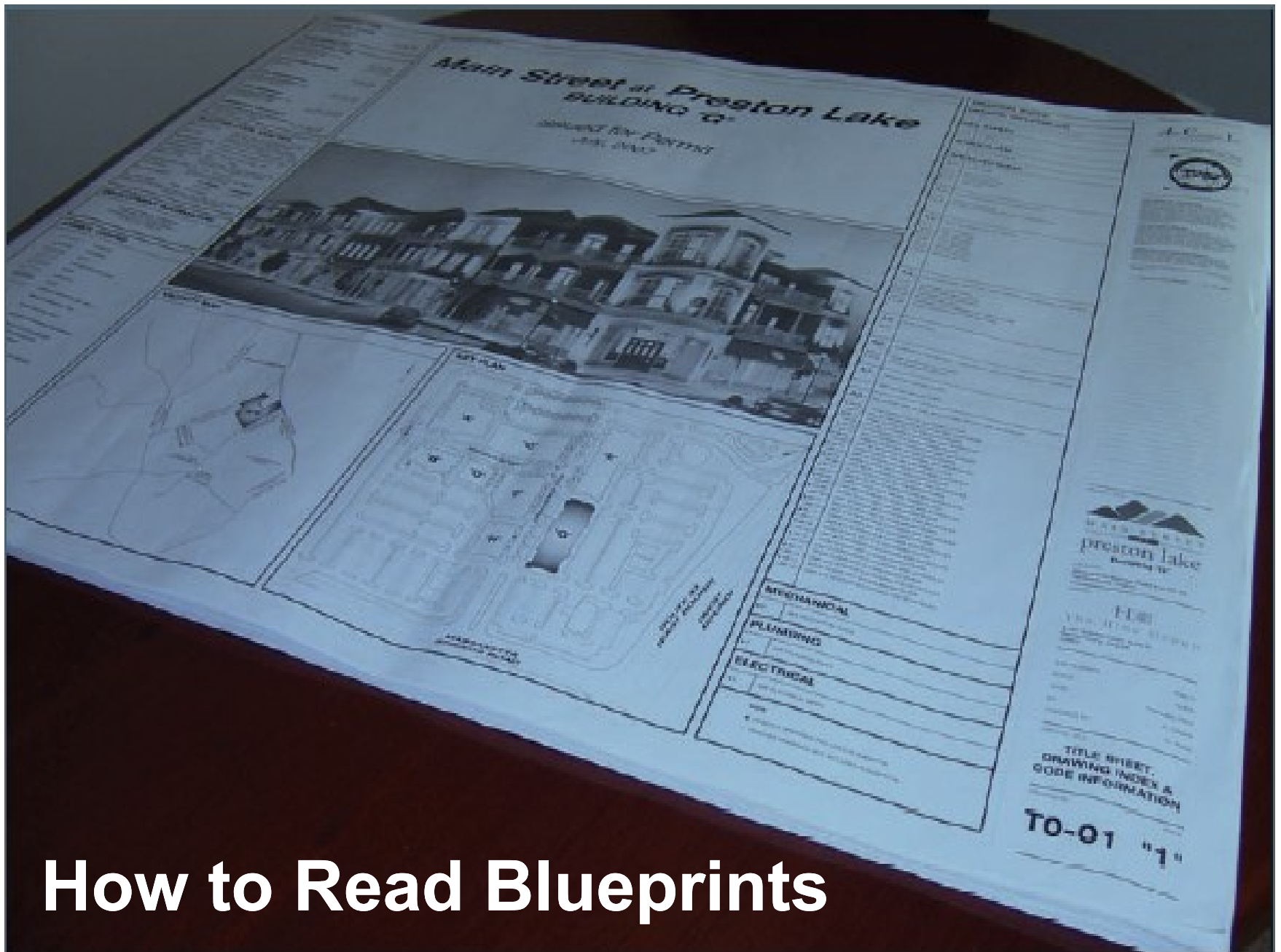


LOWER FLOOR PLAN

Door & Window Schedules



Door Schedule				
Location	Type	Size	Quantity	Remarks
1	A	3'-0" x 6'-0" x 1 3/4"	1	Insulated
2	B	4'-0" x 6'-0" x 1 3/4"	2	Insulated
3	C	1'-0" x 6'-0" x 1 3/4"	1	
4	D	4'-0" x 6'-0" x 1 3/4"	1	
5	E	2'-4" x 6'-4" x 1 3/8"	2	
6	F	2'-4" x 6'-4" x 1 3/8"	3	
7	G	2'-4" x 6'-4" x 1 3/8"	2	
8	H	3'-0" x 2'-4" x 1 3/8"	1	Louvered
9	I	4'-0" x 6'-4" x 1 3/8"	1	Double bilfold
10	J	1'-6" x 6'-4" x 1 3/8"	4	Double bilfold
11	K	4'-0" x 2'-4" x 1 3/8"	8	Double bilfold
12	L	2'-4" x 6'-4" x 1 3/8"	2	Double bilfold
Window Schedule				
1	A	4' - 1" x 2'-1"	6	Insulated glass
2	B	4' - 1" x 5'-3"	6	Insulated glass
3	C	4' x 1" x 4' x 1"	4	Insulated glass



How to Read Blueprints

How to Read Blueprints

1. Verify you have all the drawings in the set, and the specification book.
2. Study plot plan to understand the setting of building.
3. Study architectural pages to understand layout of structure.
4. Review foundation plan.

How to Read Blueprints

5. Review wall construction.
6. Study plumbing, mechanical, and electrical sheets.
7. Review all notes on plans.
8. Review specifications and compare them to the drawings. (Specifications normally have priority.)

